

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074658.D
 Acq On : 27 Oct 2022 18:18
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 27 23:53:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 23:51:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	145104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	234475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	111624	98.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 197.020%#			
35) Dibromofluoromethane	7.805	113	137984	93.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 187.680%#			
50) Toluene-d8	10.269	98	509248	104.126	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 208.260%#			
62) 4-Bromofluorobenzene	12.569	95	142552	89.170	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 178.340%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	115337	101.233	ug/l	94
3) Chloromethane	2.146	50	161838	102.842	ug/l	97
4) Vinyl Chloride	2.281	62	197071	113.072	ug/l	99
5) Bromomethane	2.675	94	152746	114.942	ug/l	99
6) Chloroethane	2.828	64	133690	112.152	ug/l	97
7) Trichlorofluoromethane	3.170	101	237227	98.852	ug/l	99
8) Diethyl Ether	3.593	74	68313	99.426	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	149419	97.539	ug/l	99
10) Methyl Iodide	4.158	142	207889	120.399	ug/l	99
11) Tert butyl alcohol	5.058	59	40139	217.408	ug/l #	94
12) 1,1-Dichloroethene	3.934	96	157117	102.001	ug/l	93
13) Acrolein	3.793	56	49959	430.326	ug/l	96
14) Allyl chloride	4.558	41	165131	100.251	ug/l	97
15) Acrylonitrile	5.252	53	126697	456.969	ug/l	99
16) Acetone	4.017	43	103113	428.438	ug/l	98
17) Carbon Disulfide	4.264	76	468043	108.123	ug/l	97
18) Methyl Acetate	4.558	43	57959	80.778	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	290157	97.229	ug/l	99
20) Methylene Chloride	4.799	84	165695	65.103	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	171452	99.252	ug/l	92
22) Diisopropyl ether	6.216	45	338973	100.695	ug/l	97
23) Vinyl Acetate	6.152	43	757921	522.936	ug/l	98
24) 1,1-Dichloroethane	6.111	63	247678	95.600	ug/l	98
25) 2-Butanone	7.081	43	139933	435.621	ug/l	93
26) 2,2-Dichloropropane	7.075	77	225494	91.241	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	187499	98.753	ug/l	97
28) Bromochloromethane	7.428	49	84820	129.555	ug/l	99
29) Tetrahydrofuran	7.440	42	86632	492.574	ug/l	98
30) Chloroform	7.593	83	264632	94.715	ug/l	100
31) Cyclohexane	7.875	56	221432	98.295	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	242789	94.819	ug/l	98
36) 1,1-Dichloropropene	8.005	75	211088	99.389	ug/l	98
37) Ethyl Acetate	7.169	43	60454	91.848	ug/l	97
38) Carbon Tetrachloride	7.993	117	205275	99.472	ug/l	94
39) Methylcyclohexane	9.275	83	271448	106.712	ug/l	98
40) Benzene	8.252	78	613122	97.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	39679	108.305	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	137173	94.964	ug/l	100
43) Isopropyl Acetate	8.357	43	117765	95.992	ug/l	99
44) Trichloroethene	9.028	130	182730	99.481	ug/l	97
45) 1,2-Dichloropropane	9.305	63	137921	100.186	ug/l	95
46) Dibromomethane	9.393	93	77903	98.305	ug/l	97
47) Bromodichloromethane	9.587	83	193337	99.077	ug/l	94
48) Methyl methacrylate	9.381	41	55655	98.782	ug/l	97
49) 1,4-Dioxane	9.381	88	17056	2185.414	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	291832	477.206	ug/l	99
52) Toluene	10.334	92	364373	93.959	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	160544	93.355	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	221128	101.559	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	95357	87.669	ug/l	98
56) Ethyl methacrylate	10.599	69	114331	96.360	ug/l	97
57) 1,3-Dichloropropane	10.881	76	154522	87.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	172715	653.140	ug/l	99
59) 2-Hexanone	10.922	43	189158	450.617	ug/l	100
60) Dibromochloromethane	11.075	129	117112	89.212	ug/l	100
61) 1,2-Dibromoethane	11.181	107	90249	90.434	ug/l	99
64) Tetrachloroethene	10.810	164	132807	96.246	ug/l	90
65) Chlorobenzene	11.604	112	383321	97.903	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	131351	98.027	ug/l	98
67) Ethyl Benzene	11.681	91	702595	102.609	ug/l	97
68) m/p-Xylenes	11.793	106	559006	203.967	ug/l	97
69) o-Xylene	12.122	106	261900	103.967	ug/l	95
70) Styrene	12.134	104	437789	103.318	ug/l	99
71) Bromoform	12.298	173	67009	95.596	ug/l #	99
73) Isopropylbenzene	12.422	105	675809	99.564	ug/l	99
74) N-amyl acetate	12.234	43	100371	99.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	99060	92.145	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	61369m	81.865	ug/l	
77) Bromobenzene	12.698	156	152038	99.194	ug/l	98
78) n-propylbenzene	12.763	91	799812	99.144	ug/l	100
79) 2-Chlorotoluene	12.845	91	431680	99.197	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	552730	99.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	27887	93.936	ug/l	97
82) 4-Chlorotoluene	12.945	91	436940	97.258	ug/l	99
83) tert-Butylbenzene	13.163	119	497922	100.734	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	547225	100.532	ug/l	97
85) sec-Butylbenzene	13.345	105	730121	98.894	ug/l	99
86) p-Isopropyltoluene	13.457	119	626192	101.116	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	310784	97.051	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	303053	96.782	ug/l	99
89) n-Butylbenzene	13.787	91	566770	100.546	ug/l	99
90) Hexachloroethane	14.051	117	105413	97.736	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	261502	97.775	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13601	91.469	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	172945	98.111	ug/l	99
94) Hexachlorobutadiene	15.204	225	90047	93.710	ug/l	99
95) Naphthalene	15.328	128	321346	97.365	ug/l	100
96) 1,2,3-Trichlorobenzene	15.516	180	147847	98.404	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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