

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074661.D
 Acq On : 27 Oct 2022 19:42
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102722

Quant Time: Oct 28 00:23:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 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	130014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	218634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	178264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	86918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56344	51.346	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.700%			
35) Dibromofluoromethane	7.805	113	66962	50.158	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.320%			
50) Toluene-d8	10.269	98	255451	49.756	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.575	95	69893	49.569	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	47755	42.594	ug/l	94
3) Chloromethane	2.146	50	76327	49.442	ug/l	95
4) Vinyl Chloride	2.281	62	84461	45.471	ug/l	98
5) Bromomethane	2.681	94	67697	48.479	ug/l	99
6) Chloroethane	2.834	64	58685	46.405	ug/l	100
7) Trichlorofluoromethane	3.170	101	99470	46.112	ug/l	98
8) Diethyl Ether	3.587	74	32659	51.248	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.964	101	63345	47.388	ug/l	98
10) Methyl Iodide	4.164	142	79852	44.951	ug/l	100
11) Tert butyl alcohol	5.052	59	19307	199.761	ug/l #	95
12) 1,1-Dichloroethene	3.934	96	67062	47.360	ug/l	95
13) Acrolein	3.793	56	26846	285.027	ug/l	96
14) Allyl chloride	4.558	41	73079	49.682	ug/l	99
15) Acrylonitrile	5.258	53	64346	269.142	ug/l	99
16) Acetone	4.017	43	46397	243.446	ug/l	98
17) Carbon Disulfide	4.264	76	203092	47.244	ug/l	97
18) Methyl Acetate	4.558	43	30576	54.317	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	142092	52.299	ug/l	95
20) Methylene Chloride	4.799	84	86947	49.058	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	76099	48.363	ug/l	93
22) Diisopropyl ether	6.211	45	161490	52.159	ug/l	99
23) Vinyl Acetate	6.152	43	338721	281.449	ug/l	97
24) 1,1-Dichloroethane	6.105	63	112892	48.431	ug/l	99
25) 2-Butanone	7.081	43	69847	266.016	ug/l	99
26) 2,2-Dichloropropane	7.075	77	97109	47.664	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	86214	50.384	ug/l	95
28) Bromochloromethane	7.422	49	41978	52.483	ug/l	97
29) Tetrahydrofuran	7.440	42	44321	274.713	ug/l	97
30) Chloroform	7.593	83	123842	49.384	ug/l	100
31) Cyclohexane	7.875	56	92460	45.972	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	105400	47.867	ug/l	99
36) 1,1-Dichloropropene	8.005	75	91855	48.289	ug/l	98
37) Ethyl Acetate	7.169	43	33000	54.285	ug/l	98
38) Carbon Tetrachloride	7.993	117	86461	48.915	ug/l	93
39) Methylcyclohexane	9.275	83	113463	48.768	ug/l	96
40) Benzene	8.252	78	282019	48.610	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	16406	52.323	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	67238	49.218	ug/l	99
43) Isopropyl Acetate	8.357	43	61030	52.144	ug/l	98
44) Trichloroethene	9.028	130	82319	48.378	ug/l	99
45) 1,2-Dichloropropane	9.305	63	64855	50.130	ug/l #	89
46) Dibromomethane	9.393	93	39008	51.640	ug/l	97
47) Bromodichloromethane	9.581	83	93464	51.356	ug/l	96
48) Methyl methacrylate	9.381	41	28118	54.178	ug/l	99
49) 1,4-Dioxane	9.381	88	8506	1056.688	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	157106	277.821	ug/l	98
52) Toluene	10.334	92	168074	46.271	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	76260	48.885	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	104385	52.503	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	48499	47.078	ug/l	96
56) Ethyl methacrylate	10.599	69	57248	50.506	ug/l	97
57) 1,3-Dichloropropane	10.881	76	78205	48.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	65923	229.183	ug/l	99
59) 2-Hexanone	10.922	43	98167	256.358	ug/l	100
60) Dibromochloromethane	11.075	129	58416	47.653	ug/l	100
61) 1,2-Dibromoethane	11.181	107	46151	47.960	ug/l	97
64) Tetrachloroethene	10.810	164	59954	47.530	ug/l	98
65) Chlorobenzene	11.604	112	178825	49.496	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	63002	51.692	ug/l	99
67) Ethyl Benzene	11.681	91	314784	50.430	ug/l	100
68) m/p-Xylenes	11.793	106	252547	102.488	ug/l	99
69) o-Xylene	12.122	106	118353	52.147	ug/l	97
70) Styrene	12.134	104	209411	54.802	ug/l	99
71) Bromoform	12.298	173	33340	54.179	ug/l #	96
73) Isopropylbenzene	12.422	105	304820	49.181	ug/l	99
74) N-amyl acetate	12.234	43	53658	54.957	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	52382	50.813	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	38465m	56.584	ug/l	
77) Bromobenzene	12.698	156	73504	49.633	ug/l	100
78) n-propylbenzene	12.763	91	370142	49.769	ug/l	100
79) 2-Chlorotoluene	12.845	91	201092	49.528	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	254951	49.520	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	13710	53.376	ug/l	97
82) 4-Chlorotoluene	12.945	91	207322	49.459	ug/l	99
83) tert-Butylbenzene	13.163	119	223749	48.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	258258	50.838	ug/l	99
85) sec-Butylbenzene	13.340	105	330649	49.311	ug/l	99
86) p-Isopropyltoluene	13.457	119	278854	48.647	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	148646	48.509	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	144488	47.843	ug/l	98
89) n-Butylbenzene	13.787	91	256599	49.424	ug/l	99
90) Hexachloroethane	14.051	117	47883	48.970	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	127800	49.181	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7345	53.561	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	85716	51.395	ug/l	99
94) Hexachlorobutadiene	15.204	225	39871	46.851	ug/l	99
95) Naphthalene	15.328	128	165312	53.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	72090	50.212	ug/l	97

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

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