

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074519.D
 Acq On : 11 Oct 2022 15:17
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 12 03:09:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 03:06:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	92708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	161053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	146903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	68631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	12852	19.261	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.520%#		
35) Dibromofluoromethane	7.805	113	19799	22.424	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.840%#		
50) Toluene-d8	10.269	98	47400	16.377	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	32.760%#		
62) 4-Bromofluorobenzene	12.569	95	29984	28.269	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	56.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	15557	17.396	ug/l	99
3) Chloromethane	2.146	50	22094	19.940	ug/l	88
4) Vinyl Chloride	2.281	62	21475	18.724	ug/l	95
5) Bromomethane	2.670	94	16740	21.489	ug/l	94
6) Chloroethane	2.828	64	15360	20.419	ug/l	99
7) Trichlorofluoromethane	3.170	101	32422	18.693	ug/l	94
8) Diethyl Ether	3.593	74	10137	19.072	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.958	101	22818	19.447	ug/l	95
10) Methyl Iodide	4.158	142	23876	18.620	ug/l	99
11) Tert butyl alcohol	5.022	59	16269m	130.694	ug/l	
12) 1,1-Dichloroethene	3.934	96	23220	19.468	ug/l	98
13) Acrolein	3.793	56	4584	117.834	ug/l	98
14) Allyl chloride	4.558	41	25275	19.218	ug/l	98
15) Acrylonitrile	5.252	53	20412	97.362	ug/l	97
16) Acetone	4.022	43	14825	83.264	ug/l	100
17) Carbon Disulfide	4.269	76	70455	19.974	ug/l	97
18) Methyl Acetate	4.564	43	11242	20.949	ug/l	98
19) Methyl tert-butyl Ether	5.311	73	46292	20.312	ug/l	94
20) Methylene Chloride	4.799	84	36860	22.369	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	25253	19.285	ug/l	97
22) Diisopropyl ether	6.222	45	55784	21.220	ug/l	98
23) Vinyl Acetate	6.158	43	108722	92.989	ug/l	98
24) 1,1-Dichloroethane	6.111	63	40572	20.111	ug/l	98
25) 2-Butanone	7.087	43	22479	94.079	ug/l	98
26) 2,2-Dichloropropane	7.075	77	34994	19.545	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	28909	20.962	ug/l	98
28) Bromochloromethane	7.428	49	12208	23.014	ug/l	86
29) Tetrahydrofuran	7.446	42	13483	102.735	ug/l	97
30) Chloroform	7.593	83	41330	20.754	ug/l	93
31) Cyclohexane	7.881	56	32183	19.097	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	35099	19.705	ug/l	97
36) 1,1-Dichloropropene	8.010	75	29657	19.035	ug/l	98
37) Ethyl Acetate	7.169	43	10243	20.400	ug/l	98
38) Carbon Tetrachloride	7.987	117	27307	19.057	ug/l	92
39) Methylcyclohexane	9.275	83	37927	19.685	ug/l	98
40) Benzene	8.252	78	90228	19.634	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	5353	17.712	ug/l #	94
42) 1,2-Dichloroethane	8.322	62	20880	19.294	ug/l	99
43) Isopropyl Acetate	8.363	43	18220	19.596	ug/l #	83
44) Trichloroethene	9.028	130	25842	19.857	ug/l	95
45) 1,2-Dichloropropane	9.305	63	20865	19.941	ug/l	91
46) Dibromomethane	9.393	93	11634	19.967	ug/l	95
47) Bromodichloromethane	9.581	83	29114	20.090	ug/l	92
48) Methyl methacrylate	9.375	41	8995	20.102	ug/l	95
49) 1,4-Dioxane	9.387	88	2650	452.160	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	46875	102.177	ug/l	95
52) Toluene	10.334	92	58397	19.984	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	25522	19.882	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	31832	19.750	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	16262	20.709	ug/l	94
56) Ethyl methacrylate	10.593	69	18348	20.520	ug/l	96
57) 1,3-Dichloropropane	10.881	76	27515	21.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	13962	75.624	ug/l	99
59) 2-Hexanone	10.916	43	31831	103.458	ug/l	99
60) Dibromochloromethane	11.075	129	19695	20.776	ug/l	98
61) 1,2-Dibromoethane	11.181	107	14917	20.446	ug/l	100
64) Tetrachloroethene	10.810	164	21499	19.753	ug/l	89
65) Chlorobenzene	11.604	112	63736	20.147	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	20872	19.572	ug/l	93
67) Ethyl Benzene	11.681	91	109282	19.491	ug/l	98
68) m/p-Xylenes	11.793	106	88638	39.706	ug/l	97
69) o-Xylene	12.116	106	41300	19.954	ug/l	98
70) Styrene	12.134	104	71802	20.476	ug/l	99
71) Bromoform	12.293	173	10775	20.210	ug/l #	97
73) Isopropylbenzene	12.416	105	108999	19.984	ug/l	100
74) N-amyl acetate	12.228	43	17064	19.990	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	17498	20.217	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	12409m	24.108	ug/l	
77) Bromobenzene	12.693	156	24542	19.816	ug/l	97
78) n-propylbenzene	12.757	91	133711	20.204	ug/l	99
79) 2-Chlorotoluene	12.845	91	71733	20.297	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	88409	19.919	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	4183	17.553	ug/l	96
82) 4-Chlorotoluene	12.945	91	72484	20.218	ug/l	97
83) tert-Butylbenzene	13.163	119	76708	19.770	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	87833	19.988	ug/l	98
85) sec-Butylbenzene	13.340	105	116816	19.778	ug/l	99
86) p-Isopropyltoluene	13.457	119	96438	19.559	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	50058	19.876	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	49164	19.737	ug/l	98
89) n-Butylbenzene	13.781	91	91657	19.895	ug/l	98
90) Hexachloroethane	14.045	117	16834	19.237	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	42607	19.778	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2406	19.758	ug/l	85
93) 1,2,4-Trichlorobenzene	15.092	180	27107	19.121	ug/l	97
94) Hexachlorobutadiene	15.198	225	13737	18.554	ug/l	99
95) Naphthalene	15.322	128	50618	19.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.516	180	23097	18.881	ug/l	96

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

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