

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074574.D
 Acq On : 19 Oct 2022 11:51
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 20 06:19:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:16:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	94560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	161708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	128102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	16002	22.165	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.340%#		
35) Dibromofluoromethane	7.810	113	25602	25.850	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	51.700%#		
50) Toluene-d8	10.269	98	60015	18.542	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	37.080%#		
62) 4-Bromofluorobenzene	12.575	95	33776	31.547	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	63.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	14847	20.228	ug/l	96
3) Chloromethane	2.146	50	21990	22.132	ug/l	91
4) Vinyl Chloride	2.281	62	21719	19.767	ug/l	95
5) Bromomethane	2.675	94	16430	19.746	ug/l	92
6) Chloroethane	2.834	64	15932	21.090	ug/l	98
7) Trichlorofluoromethane	3.175	101	31131	19.988	ug/l	97
8) Diethyl Ether	3.587	74	8751	19.402	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	20579	22.101	ug/l	98
10) Methyl Iodide	4.163	142	21284	18.598	ug/l	97
11) Tert butyl alcohol	5.040	59	11600	95.442	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	20958	20.862	ug/l	83
13) Acrolein	3.799	56	7947	102.778	ug/l	97
14) Allyl chloride	4.563	41	22520	20.758	ug/l	98
15) Acrylonitrile	5.246	53	18806	102.018	ug/l	97
16) Acetone	4.022	43	15141	96.042	ug/l	98
17) Carbon Disulfide	4.269	76	56709	20.629	ug/l	98
18) Methyl Acetate	4.563	43	9852	20.665	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	39897	20.324	ug/l	95
20) Methylene Chloride	4.805	84	32484	19.475	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	22904	20.452	ug/l	87
22) Diisopropyl ether	6.216	45	47337	21.623	ug/l	99
23) Vinyl Acetate	6.157	43	91077	103.336	ug/l	100
24) 1,1-Dichloroethane	6.116	63	34644	20.390	ug/l	99
25) 2-Butanone	7.087	43	20428	96.902	ug/l	94
26) 2,2-Dichloropropane	7.081	77	33034	20.342	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	25785	20.759	ug/l	98
28) Bromochloromethane	7.428	49	5426	13.122	ug/l #	95
29) Tetrahydrofuran	7.446	42	11999	104.357	ug/l	95
30) Chloroform	7.593	83	37369	20.440	ug/l	96
31) Cyclohexane	7.881	56	31293	21.578	ug/l	97
32) 1,1,1-Trichloroethane	7.799	97	34599	20.637	ug/l	98
36) 1,1-Dichloropropene	8.010	75	28728	19.776	ug/l	99
37) Ethyl Acetate	7.169	43	9109	19.874	ug/l #	79
38) Carbon Tetrachloride	7.993	117	27499	19.331	ug/l	93
39) Methylcyclohexane	9.275	83	33552	19.330	ug/l	94
40) Benzene	8.251	78	85306	19.786	ug/l	100

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	4645	16.283	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	20037	20.140	ug/l	100
43) Isopropyl Acetate	8.357	43	17237	20.236	ug/l	98
44) Trichloroethene	9.028	130	24805	19.639	ug/l	94
45) 1,2-Dichloropropane	9.304	63	19539	20.651	ug/l	95
46) Dibromomethane	9.393	93	11453	20.977	ug/l	94
47) Bromodichloromethane	9.587	83	27058	20.030	ug/l	95
48) Methyl methacrylate	9.381	41	8165	20.975	ug/l	95
49) 1,4-Dioxane	9.381	88	2364	439.936	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	42406	100.090	ug/l	97
52) Toluene	10.334	92	50363	18.942	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	21222	17.868	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	29838	19.925	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	13905	18.537	ug/l	96
56) Ethyl methacrylate	10.598	69	14392	17.551	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	22061	18.129	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	10922	60.090	ug/l	98
59) 2-Hexanone	10.922	43	25957	89.760	ug/l	99
60) Dibromochloromethane	11.075	129	16762	18.538	ug/l	99
61) 1,2-Dibromoethane	11.181	107	12565	18.350	ug/l	98
64) Tetrachloroethene	10.810	164	19470	20.562	ug/l	94
65) Chlorobenzene	11.604	112	54080	20.042	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	18787	20.265	ug/l	99
67) Ethyl Benzene	11.681	91	94110	20.029	ug/l	97
68) m/p-Xylenes	11.792	106	75870	40.611	ug/l	100
69) o-Xylene	12.122	106	35520	20.429	ug/l	96
70) Styrene	12.134	104	60620	20.702	ug/l	98
71) Bromoform	12.298	173	9569	19.660	ug/l #	99
73) Isopropylbenzene	12.422	105	94106	19.972	ug/l	100
74) N-amyl acetate	12.228	43	13967	20.054	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	15469	20.738	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	10341m	20.798	ug/l	
77) Bromobenzene	12.698	156	21470	20.189	ug/l	98
78) n-propylbenzene	12.763	91	112687	20.236	ug/l	99
79) 2-Chlorotoluene	12.851	91	60530	20.065	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	78456	20.512	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	3863	18.713	ug/l	93
82) 4-Chlorotoluene	12.945	91	63891	20.614	ug/l	100
83) tert-Butylbenzene	13.163	119	67951	19.914	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	76890	20.428	ug/l	98
85) sec-Butylbenzene	13.345	105	103285	20.171	ug/l	99
86) p-Isopropyltoluene	13.457	119	83517	19.469	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	44175	19.989	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	43316	20.022	ug/l	97
89) n-Butylbenzene	13.786	91	77751	19.895	ug/l	98
90) Hexachloroethane	14.051	117	14877	19.925	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	37097	20.124	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1923	18.641	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	24532	20.173	ug/l	97
94) Hexachlorobutadiene	15.204	225	12606	18.843	ug/l	99
95) Naphthalene	15.333	128	43804	19.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	21021	20.165	ug/l	99

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

