

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102022\
 Data File : VD074591.D
 Acq On : 20 Oct 2022 12:16
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 14:55:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	86518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	140493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	116161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	56522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	30956	46.864	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.720%		
35) Dibromofluoromethane	7.804	113	37384	47.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.960%		
50) Toluene-d8	10.269	98	137156	48.775	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.575	95	40483	50.045	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	13819	20.577	ug/l	92
3) Chloromethane	2.146	50	19838	21.822	ug/l	90
4) Vinyl Chloride	2.281	62	20413	20.305	ug/l	93
5) Bromomethane	2.681	94	16137	21.196	ug/l	95
6) Chloroethane	2.834	64	14866	21.508	ug/l	98
7) Trichlorofluoromethane	3.175	101	30259	21.234	ug/l	93
8) Diethyl Ether	3.587	74	8761	21.229	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.963	101	19391	21.101	ug/l	99
10) Methyl Iodide	4.163	142	19323	18.817	ug/l	98
11) Tert butyl alcohol	5.034	59	11798	150.543	ug/l #	84
12) 1,1-Dichloroethene	3.946	96	19240	20.932	ug/l	91
13) Acrolein	3.799	56	7633	107.893	ug/l	96
14) Allyl chloride	4.563	41	20330	20.481	ug/l	98
15) Acrylonitrile	5.257	53	18017	106.823	ug/l	97
16) Acetone	4.022	43	15002	104.005	ug/l	100
17) Carbon Disulfide	4.275	76	49238	19.577	ug/l	98
18) Methyl Acetate	4.563	43	9676	23.293	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	38481	21.425	ug/l	94
20) Methylene Chloride	4.805	84	28914	20.042	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	20756	20.257	ug/l	88
22) Diisopropyl ether	6.210	45	42717	21.327	ug/l	96
23) Vinyl Acetate	6.152	43	70413	80.390	ug/l	93
24) 1,1-Dichloroethane	6.110	63	32219	20.725	ug/l	99
25) 2-Butanone	7.087	43	20038	103.887	ug/l	99
26) 2,2-Dichloropropane	7.081	77	30147	20.290	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	22866	20.120	ug/l	98
28) Bromochloromethane	7.428	49	5259	15.016	ug/l #	99
29) Tetrahydrofuran	7.446	42	11247	106.909	ug/l	94
30) Chloroform	7.599	83	35553	21.254	ug/l	98
31) Cyclohexane	7.881	56	27241	20.530	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	32182	20.979	ug/l	99
36) 1,1-Dichloropropene	8.010	75	26008	20.607	ug/l	99
37) Ethyl Acetate	7.169	43	8352	20.974	ug/l	96
38) Carbon Tetrachloride	7.993	117	25747	20.833	ug/l	94
39) Methylcyclohexane	9.275	83	31663	20.997	ug/l	92
40) Benzene	8.251	78	78836	21.047	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	5123m	23.878	ug/l	
42) 1,2-Dichloroethane	8.322	62	18489	21.390	ug/l	100
43) Isopropyl Acetate	8.357	43	15899	21.484	ug/l	98
44) Trichloroethene	9.028	130	22838	20.812	ug/l	98
45) 1,2-Dichloropropane	9.304	63	18115	22.037	ug/l	94
46) Dibromomethane	9.398	93	10390	21.904	ug/l	97
47) Bromodichloromethane	9.581	83	25363	21.611	ug/l	91
48) Methyl methacrylate	9.381	41	7028	20.780	ug/l	98
49) 1,4-Dioxane	9.387	88	1960	419.831	ug/l	88
51) 4-Methyl-2-Pentanone	10.157	43	41194	111.911	ug/l	96
52) Toluene	10.334	92	48631	21.052	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	20969	20.321	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	28137	21.626	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	13455	20.645	ug/l	93
56) Ethyl methacrylate	10.598	69	15014	21.075	ug/l	99
57) 1,3-Dichloropropane	10.881	76	21992	20.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	10684	86.179	ug/l	96
59) 2-Hexanone	10.922	43	26168	104.154	ug/l	99
60) Dibromochloromethane	11.075	129	15833	20.155	ug/l	96
61) 1,2-Dibromoethane	11.181	107	12507	21.023	ug/l	100
64) Tetrachloroethene	10.810	164	17678	20.589	ug/l	94
65) Chlorobenzene	11.604	112	51731	21.142	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	17286	20.563	ug/l	95
67) Ethyl Benzene	11.687	91	90072	21.140	ug/l	98
68) m/p-Xylenes	11.792	106	72168	42.600	ug/l	98
69) o-Xylene	12.122	106	33197	21.056	ug/l	97
70) Styrene	12.134	104	58628	22.080	ug/l	98
71) Bromoform	12.304	173	9514	21.556	ug/l #	95
73) Isopropylbenzene	12.422	105	90551	20.542	ug/l	100
74) N-amyl acetate	12.228	43	13518	20.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	14615	20.943	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	11437m	23.174	ug/l	
77) Bromobenzene	12.698	156	21211	21.320	ug/l	98
78) n-propylbenzene	12.763	91	107664	20.667	ug/l	100
79) 2-Chlorotoluene	12.845	91	57754	20.464	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	75039	20.971	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	4020	20.815	ug/l	93
82) 4-Chlorotoluene	12.945	91	58775	20.271	ug/l	99
83) tert-Butylbenzene	13.169	119	65801	20.614	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	73207	20.790	ug/l	96
85) sec-Butylbenzene	13.345	105	98705	20.605	ug/l	98
86) p-Isopropyltoluene	13.457	119	81992	20.431	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	41848	20.242	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	41916	20.711	ug/l	98
89) n-Butylbenzene	13.786	91	75644	20.690	ug/l	98
90) Hexachloroethane	14.051	117	14107	20.196	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	36553	21.195	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2032	21.055	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	22539	19.812	ug/l	97
94) Hexachlorobutadiene	15.204	225	13231	21.140	ug/l	93
95) Naphthalene	15.328	128	44719	20.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	20404	20.923	ug/l	99

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

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