

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032124\
 Data File : VD078724.D
 Acq On : 21 Mar 2024 12:06
 Operator : RP/MD
 Sample : VD0321SBSD01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024
 Supervised By :Semsettin Yesilyurt 03/22/2024

Quant Time: Mar 22 06:55:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	108171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	186420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	175635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	54007	53.275	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.560%			
35) Dibromofluoromethane	7.816	113	62276	51.885	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.780%			
50) Toluene-d8	10.269	98	238778	54.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.575	95	67648	52.384	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21128	20.986	ug/l	97
3) Chloromethane	2.152	50	30935	19.461	ug/l	91
4) Vinyl Chloride	2.293	62	47810	20.388	ug/l	96
5) Bromomethane	2.693	94	46322	20.632	ug/l	97
6) Chloroethane	2.846	64	36649	20.041	ug/l	96
7) Trichlorofluoromethane	3.181	101	43663	23.536	ug/l	95
8) Diethyl Ether	3.593	74	11561	21.344	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.981	101	27305	23.453	ug/l	99
10) Methyl Iodide	4.169	142	29587	21.484	ug/l	93
11) Tert butyl alcohol	5.052	59	5540	122.114	ug/l #	91
12) 1,1-Dichloroethene	3.952	96	25348	22.903	ug/l	92
13) Acrolein	3.805	56	9000	126.640	ug/l	98
14) Allyl chloride	4.569	41	27480	22.252	ug/l	96
15) Acrylonitrile	5.258	53	25771	118.027	ug/l	93
16) Acetone	4.022	43	24317	124.047	ug/l	98
17) Carbon Disulfide	4.275	76	71079	19.590	ug/l	100
18) Methyl Acetate	4.581	43	9458	22.482	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	51333	22.999	ug/l	98
20) Methylene Chloride	4.811	84	36615	24.957	ug/l	92
21) trans-1,2-Dichloroethene	5.322	96	29091	22.276	ug/l	92
22) Diisopropyl ether	6.228	45	65760	23.421	ug/l	90
23) Vinyl Acetate	6.158	43	191429	116.556	ug/l	97
24) 1,1-Dichloroethane	6.116	63	49609	23.566	ug/l	98
25) 2-Butanone	7.087	43	32242	123.711	ug/l	96
26) 2,2-Dichloropropane	7.081	77	42826	24.046	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	34570	23.209	ug/l	98
28) Bromochloromethane	7.434	49	17099	22.784	ug/l	98
29) Tetrahydrofuran	7.452	42	17062	120.363	ug/l	97
30) Chloroform	7.599	83	55341	23.578	ug/l	94
31) Cyclohexane	7.881	56	35457	20.809	ug/l #	90
32) 1,1,1-Trichloroethane	7.799	97	45456	22.826	ug/l	97
36) 1,1-Dichloropropene	8.016	75	38983	22.385	ug/l	98
37) Ethyl Acetate	7.169	43	12134	21.328	ug/l #	91
38) Carbon Tetrachloride	7.993	117	42582	23.193	ug/l	93
39) Methylcyclohexane	9.281	83	41711	20.647	ug/l	94
40) Benzene	8.252	78	116088	22.052	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	5996	20.111	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	29931	23.314	ug/l	98
43) Isopropyl Acetate	8.363	43	23485	22.699	ug/l #	83
44) Trichloroethene	9.034	130	32521	22.764	ug/l	91
45) 1,2-Dichloropropane	9.310	63	28739	23.013	ug/l	99
46) Dibromomethane	9.399	93	17185	22.956	ug/l	96
47) Bromodichloromethane	9.587	83	42270	23.719	ug/l	88
48) Methyl methacrylate	9.381	41	10369	20.568	ug/l	95
49) 1,4-Dioxane	9.387	88	2751	396.901	ug/l	91
51) 4-Methyl-2-Pentanone	10.163	43	63593	117.567	ug/l	97
52) Toluene	10.334	92	78209	23.076	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	36010	22.100	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	45006	22.977	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	22492	22.437	ug/l #	90
56) Ethyl methacrylate	10.599	69	22563	22.452	ug/l	96
57) 1,3-Dichloropropane	10.881	76	37204	23.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	48229	108.839	ug/l	100
59) 2-Hexanone	10.922	43	47663	118.866	ug/l	97
60) Dibromochloromethane	11.075	129	28286	22.880	ug/l	98
61) 1,2-Dibromoethane	11.181	107	21980	22.657	ug/l	99
64) Tetrachloroethene	10.810	164	25453	21.899	ug/l	91
65) Chlorobenzene	11.610	112	82997	22.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	31279	23.271	ug/l	98
67) Ethyl Benzene	11.687	91	140458	22.458	ug/l	99
68) m/p-Xylenes	11.793	106	113067	44.520	ug/l	98
69) o-Xylene	12.122	106	51003	21.705	ug/l	99
70) Styrene	12.134	104	87925	22.293	ug/l	99
71) Bromoform	12.298	173	16544	22.775	ug/l #	91
73) Isopropylbenzene	12.422	105	131476	22.733	ug/l	100
74) N-amyl acetate	12.234	43	23745	25.288	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	25536	23.852	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	16352m	24.162	ug/l	
77) Bromobenzene	12.698	156	34005	23.709	ug/l	99
78) n-propylbenzene	12.763	91	165643	23.530	ug/l	100
79) 2-Chlorotoluene	12.851	91	88738	22.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	111586	23.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	7794	24.141	ug/l	94
82) 4-Chlorotoluene	12.945	91	94101	23.037	ug/l	99
83) tert-Butylbenzene	13.169	119	97353	23.608	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	111383	23.110	ug/l	99
85) sec-Butylbenzene	13.345	105	143568	23.005	ug/l	100
86) p-Isopropyltoluene	13.463	119	124818	23.364	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	68144	22.514	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	66715	22.366	ug/l	98
89) n-Butylbenzene	13.787	91	112538	23.325	ug/l	99
90) Hexachloroethane	14.051	117	26500	23.972	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	59455	22.808	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3232	22.567	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	34369	22.591	ug/l	93
94) Hexachlorobutadiene	15.204	225	18941	22.997	ug/l	95
95) Naphthalene	15.334	128	55674	21.049	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	29375	22.319	ug/l	98

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

