

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078714.D
 Acq On : 20 Mar 2024 11:32
 Operator : RP/MD
 Sample : VD0320SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/21/2024
 Supervised By :Semsettin Yesilyurt 03/21/2024

Quant Time: Mar 21 04:45:11 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	122569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	203341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	191336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59338	51.658	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.320%			
35) Dibromofluoromethane	7.804	113	65021	49.664	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.320%			
50) Toluene-d8	10.269	98	259594	53.915	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.840%			
62) 4-Bromofluorobenzene	12.575	95	73129	51.916	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21134	18.526	ug/l	97
3) Chloromethane	2.152	50	29919	16.611	ug/l	91
4) Vinyl Chloride	2.287	62	47578	17.906	ug/l	98
5) Bromomethane	2.693	94	45025	17.698	ug/l	99
6) Chloroethane	2.840	64	36938	17.826	ug/l	97
7) Trichlorofluoromethane	3.181	101	42124	20.039	ug/l	100
8) Diethyl Ether	3.599	74	11038	17.985	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	27059	20.511	ug/l	98
10) Methyl Iodide	4.175	142	27537	17.646	ug/l	97
11) Tert butyl alcohol	5.052	59	5513	107.244	ug/l #	88
12) 1,1-Dichloroethene	3.952	96	24303	19.379	ug/l	92
13) Acrolein	3.799	56	7213	89.573	ug/l	98
14) Allyl chloride	4.569	41	26312	18.803	ug/l	98
15) Acrylonitrile	5.257	53	22988	92.914	ug/l	96
16) Acetone	4.028	43	21559	97.059	ug/l	89
17) Carbon Disulfide	4.275	76	71077	17.288	ug/l	99
18) Methyl Acetate	4.569	43	8599	18.039	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	45474	17.980	ug/l	94
20) Methylene Chloride	4.805	84	31324	17.520	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	28898	19.529	ug/l	91
22) Diisopropyl ether	6.216	45	61650	19.378	ug/l	97
23) Vinyl Acetate	6.163	43	175737	94.433	ug/l	100
24) 1,1-Dichloroethane	6.110	63	47217	19.795	ug/l	97
25) 2-Butanone	7.087	43	28479	96.436	ug/l	98
26) 2,2-Dichloropropane	7.075	77	39352	19.500	ug/l	97
27) cis-1,2-Dichloroethene	7.093	96	31856	18.874	ug/l	98
28) Bromochloromethane	7.422	49	16919	19.896	ug/l	96
29) Tetrahydrofuran	7.446	42	16252	101.181	ug/l	94
30) Chloroform	7.599	83	53600	20.154	ug/l	98
31) Cyclohexane	7.881	56	36678	18.997	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	44005	19.502	ug/l	99
36) 1,1-Dichloropropene	8.010	75	37580	19.783	ug/l	99
37) Ethyl Acetate	7.175	43	12194	19.650	ug/l	99
38) Carbon Tetrachloride	7.993	117	40106	20.027	ug/l #	95
39) Methylcyclohexane	9.275	83	42051	19.083	ug/l	94
40) Benzene	8.257	78	112827	19.649	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	6260m	19.249	ug/l	
42) 1,2-Dichloroethane	8.328	62	27975	19.977	ug/l	99
43) Isopropyl Acetate	8.363	43	21592	19.132	ug/l	99
44) Trichloroethene	9.034	130	30017	19.262	ug/l	96
45) 1,2-Dichloropropane	9.304	63	26664	19.575	ug/l	97
46) Dibromomethane	9.398	93	14947	18.305	ug/l	96
47) Bromodichloromethane	9.581	83	38807	19.964	ug/l	94
48) Methyl methacrylate	9.381	41	10275	18.685	ug/l	96
49) 1,4-Dioxane	9.387	88	2692	356.069	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	58390	98.965	ug/l	97
52) Toluene	10.340	92	73326	19.835	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	32539	18.308	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	40705	19.052	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	20722	18.951	ug/l	97
56) Ethyl methacrylate	10.598	69	19393	17.692	ug/l	96
57) 1,3-Dichloropropane	10.881	76	34442	19.521	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	46731	96.683	ug/l	99
59) 2-Hexanone	10.922	43	43013	98.343	ug/l	97
60) Dibromochloromethane	11.075	129	26346	19.538	ug/l	98
61) 1,2-Dibromoethane	11.181	107	19377	18.311	ug/l	96
64) Tetrachloroethene	10.810	164	24613	19.439	ug/l	94
65) Chlorobenzene	11.610	112	76474	19.127	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.681	131	29175	19.924	ug/l	96
67) Ethyl Benzene	11.687	91	131661	19.324	ug/l	99
68) m/p-Xylenes	11.798	106	106559	38.515	ug/l	98
69) o-Xylene	12.122	106	47042	18.377	ug/l	97
70) Styrene	12.139	104	80745	18.793	ug/l	98
71) Bromoform	12.304	173	15116	19.102	ug/l #	98
73) Isopropylbenzene	12.422	105	125192	20.005	ug/l	99
74) N-amyl acetate	12.234	43	20380	20.058	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	23174	20.004	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	16246m	22.186	ug/l	
77) Bromobenzene	12.704	156	30827	19.863	ug/l	99
78) n-propylbenzene	12.763	91	158875	20.857	ug/l	98
79) 2-Chlorotoluene	12.851	91	84225	20.155	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	101901	19.691	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.475	75	7100	20.324	ug/l	97
82) 4-Chlorotoluene	12.945	91	89364	20.219	ug/l	98
83) tert-Butylbenzene	13.169	119	88913	19.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	105560	20.241	ug/l	98
85) sec-Butylbenzene	13.345	105	141075	20.892	ug/l	99
86) p-Isopropyltoluene	13.463	119	117857	20.388	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	64629	19.734	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	64865	20.097	ug/l	98
89) n-Butylbenzene	13.792	91	108644	20.810	ug/l	99
90) Hexachloroethane	14.057	117	24513	20.494	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	55895	19.816	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2604	16.803	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	31456	19.109	ug/l	91
94) Hexachlorobutadiene	15.204	225	17736	19.901	ug/l	99
95) Naphthalene	15.333	128	49747	17.382	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	26517	18.620	ug/l	97

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

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