

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031224\
 Data File : VD078635.D
 Acq On : 12 Mar 2024 11:18
 Operator : RP/MD
 Sample : VD0312SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Quant Time: Mar 13 03:03:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/13/2024
 Supervised By :Semsettin Yesilyurt 03/13/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	112418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	190468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	181191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63874	57.318	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.640%			
35) Dibromofluoromethane	7.811	113	72103	58.195	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.400%			
50) Toluene-d8	10.269	98	280049	58.168	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.340%			
62) 4-Bromofluorobenzene	12.575	95	80135	58.276	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21290	21.900	ug/l	97
3) Chloromethane	2.152	50	31309	16.619	ug/l	93
4) Vinyl Chloride	2.287	62	46773	16.927	ug/l	98
5) Bromomethane	2.693	94	46289	20.974	ug/l	100
6) Chloroethane	2.834	64	39645	19.357	ug/l	99
7) Trichlorofluoromethane	3.175	101	41622	22.276	ug/l	88
8) Diethyl Ether	3.593	74	12747	24.295	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.964	101	25958	22.043	ug/l	97
10) Methyl Iodide	4.164	142	26519	21.520	ug/l #	89
11) Tert butyl alcohol	5.052	59	5902	110.365	ug/l #	73
12) 1,1-Dichloroethene	3.940	96	23836	21.682	ug/l	98
13) Acrolein	3.799	56	10645	96.319	ug/l	98
14) Allyl chloride	4.564	41	26618	21.258	ug/l	94
15) Acrylonitrile	5.258	53	26647	123.191	ug/l	96
16) Acetone	4.023	43	27767	130.058	ug/l	91
17) Carbon Disulfide	4.270	76	67718	18.489	ug/l	98
18) Methyl Acetate	4.558	43	9135	22.605	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	51256	22.931	ug/l	99
20) Methylene Chloride	4.805	84	32203	14.438	ug/l #	82
21) trans-1,2-Dichloroethene	5.317	96	28172	21.327	ug/l	95
22) Diisopropyl ether	6.216	45	64504	22.976	ug/l	93
23) Vinyl Acetate	6.158	43	197043	118.177	ug/l	98
24) 1,1-Dichloroethane	6.111	63	46684	22.011	ug/l	99
25) 2-Butanone	7.081	43	32923	122.250	ug/l	93
26) 2,2-Dichloropropane	7.075	77	38577	21.530	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	32168	22.240	ug/l	98
28) Bromochloromethane	7.422	49	19276	24.328	ug/l	95
29) Tetrahydrofuran	7.446	42	16710	111.684	ug/l	100
30) Chloroform	7.599	83	54144	23.643	ug/l	99
31) Cyclohexane	7.875	56	33827	19.394	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	43251	22.016	ug/l	98
36) 1,1-Dichloropropene	8.011	75	34357	20.039	ug/l	97
37) Ethyl Acetate	7.175	43	13302	23.945	ug/l #	88
38) Carbon Tetrachloride	7.993	117	38120	21.258	ug/l	94
39) Methylcyclohexane	9.269	83	38769	19.266	ug/l	93
40) Benzene	8.252	78	112747	22.186	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	7924	26.613	ug/l #	68
42) 1,2-Dichloroethane	8.322	62	29538	22.911	ug/l	97
43) Isopropyl Acetate	8.358	43	25057	23.527	ug/l	94
44) Trichloroethene	9.028	130	30525	21.889	ug/l	98
45) 1,2-Dichloropropane	9.305	63	27192	22.275	ug/l	100
46) Dibromomethane	9.393	93	17079	24.269	ug/l	93
47) Bromodichloromethane	9.581	83	39944	23.019	ug/l	93
48) Methyl methacrylate	9.381	41	11681	24.212	ug/l	85
49) 1,4-Dioxane	9.387	88	3485	492.920	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	68334	124.308	ug/l	91
52) Toluene	10.334	92	72495	22.233	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	36434	22.696	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	44026	22.906	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	23719	23.936	ug/l	95
56) Ethyl methacrylate	10.593	69	22518	22.672	ug/l #	85
57) 1,3-Dichloropropane	10.881	76	36339	22.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	60044	149.671	ug/l	98
59) 2-Hexanone	10.922	43	52188	127.995	ug/l	93
60) Dibromochloromethane	11.075	129	28788	24.060	ug/l	97
61) 1,2-Dibromoethane	11.175	107	22255	24.471	ug/l	95
64) Tetrachloroethene	10.810	164	24141	21.175	ug/l	94
65) Chlorobenzene	11.604	112	78269	21.936	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	29497	22.206	ug/l	98
67) Ethyl Benzene	11.687	91	130820	21.160	ug/l	99
68) m/p-Xylenes	11.793	106	107296	42.898	ug/l	95
69) o-Xylene	12.122	106	49010	21.600	ug/l	96
70) Styrene	12.134	104	85040	21.622	ug/l	98
71) Bromoform	12.299	173	16929	23.956	ug/l #	98
73) Isopropylbenzene	12.422	105	126957	20.932	ug/l	97
74) N-amyl acetate	12.234	43	22597	22.135	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	27667	23.811	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	16374m	22.406	ug/l	
77) Bromobenzene	12.699	156	32004	21.818	ug/l	88
78) n-propylbenzene	12.763	91	161433	21.759	ug/l	97
79) 2-Chlorotoluene	12.851	91	85949	21.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	105749	21.426	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	9184	26.900	ug/l	89
82) 4-Chlorotoluene	12.946	91	92657	21.838	ug/l	97
83) tert-Butylbenzene	13.163	119	92288	21.716	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	107402	21.290	ug/l	99
85) sec-Butylbenzene	13.346	105	141802	21.388	ug/l	96
86) p-Isopropyltoluene	13.463	119	117774	21.102	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	65212	20.806	ug/l	95
88) 1,4-Dichlorobenzene	13.534	146	69088	22.001	ug/l	99
89) n-Butylbenzene	13.787	91	107118	20.538	ug/l	99
90) Hexachloroethane	14.051	117	25269	22.267	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	59247	22.254	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	3591	23.186	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	34241	21.719	ug/l	99
94) Hexachlorobutadiene	15.204	225	18694	21.551	ug/l	99
95) Naphthalene	15.334	128	61168	21.957	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	31541	22.527	ug/l	98

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

