

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103122\
 Data File : VD074691.D
 Acq On : 31 Oct 2022 16:36
 Operator : VA/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Quant Time: Nov 01 01:34:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	130827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	219146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	181224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56556	51.219	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.440%			
35) Dibromofluoromethane	7.805	113	69829	52.183	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.269	98	267408	51.963	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.575	95	72552	51.334	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	27984	24.805	ug/l	97
3) Chloromethane	2.146	50	39175	22.968	ug/l	93
4) Vinyl Chloride	2.281	62	40991	21.931	ug/l	99
5) Bromomethane	2.675	94	31056	21.741	ug/l	98
6) Chloroethane	2.828	64	27179	21.358	ug/l	97
7) Trichlorofluoromethane	3.175	101	47691	21.971	ug/l	94
8) Diethyl Ether	3.593	74	13733	21.316	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.964	101	29423	21.874	ug/l	99
10) Methyl Iodide	4.164	142	27488	18.970	ug/l	98
11) Tert butyl alcohol	5.040	59	18410	183.121	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	29531	20.725	ug/l	99
13) Acrolein	3.805	56	10214	105.318	ug/l	96
14) Allyl chloride	4.558	41	32108	21.693	ug/l	98
15) Acrylonitrile	5.258	53	27655	112.770	ug/l	98
16) Acetone	4.028	43	23460	115.814	ug/l	98
17) Carbon Disulfide	4.269	76	85298	19.719	ug/l	98
18) Methyl Acetate	4.564	43	14834	25.141	ug/l	96
19) Methyl tert-butyl Ether	5.322	73	58842	21.523	ug/l	95
20) Methylene Chloride	4.805	84	54192	24.190	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	32534	20.548	ug/l	94
22) Diisopropyl ether	6.216	45	70282	22.559	ug/l	92
23) Vinyl Acetate	6.164	43	122230m	100.932	ug/l	
24) 1,1-Dichloroethane	6.111	63	50785	21.651	ug/l	97
25) 2-Butanone	7.081	43	33231	121.322	ug/l	95
26) 2,2-Dichloropropane	7.075	77	44368	21.642	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	37234	21.624	ug/l	97
28) Bromochloromethane	7.434	49	16491	20.490	ug/l	97
29) Tetrahydrofuran	7.446	42	18680	112.987	ug/l	97
30) Chloroform	7.599	83	56234	22.285	ug/l	99
31) Cyclohexane	7.875	56	42829	21.163	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	47951	21.642	ug/l	97
36) 1,1-Dichloropropene	8.010	75	41295	21.659	ug/l	100
37) Ethyl Acetate	7.175	43	14035	23.034	ug/l	98
38) Carbon Tetrachloride	7.993	117	38060	21.482	ug/l	96
39) Methylcyclohexane	9.275	83	49581	21.261	ug/l	94
40) Benzene	8.252	78	126153	21.694	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	7249	23.065	ug/l #	93
42) 1,2-Dichloroethane	8.328	62	29883	21.823	ug/l	98
43) Isopropyl Acetate	8.363	43	25911	22.087	ug/l	99
44) Trichloroethene	9.034	130	35022	20.534	ug/l	92
45) 1,2-Dichloropropane	9.305	63	28839	22.239	ug/l	90
46) Dibromomethane	9.399	93	16283	21.506	ug/l	97
47) Bromodichloromethane	9.587	83	40659	22.289	ug/l	92
48) Methyl methacrylate	9.381	41	12724	24.460	ug/l	93
49) 1,4-Dioxane	9.381	88	3573	442.832	ug/l	94
51) 4-Methyl-2-Pentanone	10.163	43	66433	117.204	ug/l	96
52) Toluene	10.334	92	80123	22.007	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	31733	20.294	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	42801	21.478	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	21787	21.099	ug/l	95
56) Ethyl methacrylate	10.599	69	23000	20.244	ug/l	94
57) 1,3-Dichloropropane	10.881	76	33696	20.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	23498	102.857	ug/l	97
59) 2-Hexanone	10.922	43	42984	111.988	ug/l	99
60) Dibromochloromethane	11.075	129	24530	19.963	ug/l	100
61) 1,2-Dibromoethane	11.181	107	19057	19.758	ug/l	98
64) Tetrachloroethene	10.810	164	26685	20.810	ug/l	98
65) Chlorobenzene	11.610	112	78723	21.433	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	26604	21.471	ug/l	97
67) Ethyl Benzene	11.681	91	138359	21.804	ug/l	98
68) m/p-Xylenes	11.793	106	111350	44.450	ug/l	99
69) o-Xylene	12.122	106	51430	22.290	ug/l	95
70) Styrene	12.134	104	88062	22.669	ug/l	99
71) Bromoform	12.298	173	14379	22.985	ug/l #	98
73) Isopropylbenzene	12.422	105	135054	22.025	ug/l	99
74) N-amyl acetate	12.234	43	21751	22.517	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	23251	22.797	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	14939m	22.212	ug/l	
77) Bromobenzene	12.698	156	30873	21.071	ug/l	96
78) n-propylbenzene	12.763	91	164888	22.409	ug/l	99
79) 2-Chlorotoluene	12.851	91	88839	22.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	112485	22.083	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	5816	22.886	ug/l	95
82) 4-Chlorotoluene	12.945	91	92692	22.351	ug/l	99
83) tert-Butylbenzene	13.169	119	97489	21.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	111286	22.142	ug/l	98
85) sec-Butylbenzene	13.345	105	146507	22.084	ug/l	99
86) p-Isopropyltoluene	13.457	119	122052	21.521	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	64652	21.326	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	63637	21.298	ug/l	97
89) n-Butylbenzene	13.787	91	114193	22.231	ug/l	100
90) Hexachloroethane	14.051	117	20587	21.281	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	55780	21.696	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2885	21.264	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	33897	20.543	ug/l	98
94) Hexachlorobutadiene	15.204	225	17497	20.781	ug/l	99
95) Naphthalene	15.334	128	64103	21.156	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	29266	20.603	ug/l	98

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

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