

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
 Data File : VD078819.D
 Acq On : 16 Apr 2024 12:38
 Operator : RP/MD
 Sample : VD0416SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Quant Time: Apr 16 22:32:04 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/17/2024
 Supervised By :Semsettin Yesilyurt 04/17/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	120388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	210621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	201547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58333	51.703	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.400%			
35) Dibromofluoromethane	7.804	113	62681	46.222	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.440%			
50) Toluene-d8	10.269	98	244001	48.925	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.840%			
62) 4-Bromofluorobenzene	12.569	95	67914	46.547	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	26384	23.547	ug/l	100
3) Chloromethane	2.152	50	41675	23.557	ug/l	100
4) Vinyl Chloride	2.281	62	58442	22.393	ug/l	96
5) Bromomethane	2.687	94	58722	23.500	ug/l	96
6) Chloroethane	2.840	64	50925	25.021	ug/l	97
7) Trichlorofluoromethane	3.175	101	50290	24.358	ug/l	90
8) Diethyl Ether	3.593	74	14612	24.240	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	30124	23.248	ug/l	98
10) Methyl Iodide	4.163	142	29123	19.001	ug/l	92
11) Tert butyl alcohol	5.046	59	6654	131.785	ug/l #	87
12) 1,1-Dichloroethene	3.946	96	30266	24.571	ug/l	95
13) Acrolein	3.793	56	14162	179.053	ug/l	91
14) Allyl chloride	4.563	41	32573	23.699	ug/l	97
15) Acrylonitrile	5.258	53	28801	118.519	ug/l	98
16) Acetone	4.022	43	23077	105.775	ug/l	93
17) Carbon Disulfide	4.275	76	101681	25.180	ug/l	100
18) Methyl Acetate	4.569	43	11325	24.188	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	53982	21.731	ug/l	98
20) Methylene Chloride	4.805	84	37628	22.631	ug/l	91
21) trans-1,2-Dichloroethene	5.310	96	29617	20.377	ug/l	98
22) Diisopropyl ether	6.216	45	69632	22.283	ug/l	94
23) Vinyl Acetate	6.157	43	211818	115.883	ug/l	96
24) 1,1-Dichloroethane	6.110	63	50221	21.436	ug/l	98
25) 2-Butanone	7.081	43	31388	108.213	ug/l #	88
26) 2,2-Dichloropropane	7.069	77	40884	20.626	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	32752	19.757	ug/l	95
28) Bromochloromethane	7.428	49	20913	25.038	ug/l	94
29) Tetrahydrofuran	7.440	42	19993	126.727	ug/l	93
30) Chloroform	7.599	83	54394	20.823	ug/l	90
31) Cyclohexane	7.875	56	39795	20.985	ug/l	94
32) 1,1,1-Trichloroethane	7.799	97	44691	20.165	ug/l	99
36) 1,1-Dichloropropene	8.004	75	37072	18.841	ug/l	98
37) Ethyl Acetate	7.163	43	13147	20.453	ug/l	96
38) Carbon Tetrachloride	7.993	117	40149	19.356	ug/l #	82
39) Methylcyclohexane	9.269	83	44990	19.711	ug/l	92
40) Benzene	8.251	78	118798	19.974	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	6588	19.558	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	30390	20.952	ug/l	97
43) Isopropyl Acetate	8.357	43	26479	22.652	ug/l	98
44) Trichloroethene	9.028	130	29349	18.183	ug/l	99
45) 1,2-Dichloropropane	9.304	63	27837	19.730	ug/l	98
46) Dibromomethane	9.393	93	17642	20.859	ug/l	94
47) Bromodichloromethane	9.587	83	42411	21.064	ug/l	91
48) Methyl methacrylate	9.381	41	11695	20.533	ug/l #	92
49) 1,4-Dioxane	9.381	88	3445	439.918	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	70484	115.334	ug/l	95
52) Toluene	10.334	92	75827	19.802	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	35792	19.443	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	43185	19.514	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	22040	19.460	ug/l	93
56) Ethyl methacrylate	10.598	69	23050	20.301	ug/l	90
57) 1,3-Dichloropropane	10.875	76	36715	20.090	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	58332	116.513	ug/l	98
59) 2-Hexanone	10.922	43	50293	111.014	ug/l	97
60) Dibromochloromethane	11.069	129	29206	20.910	ug/l	98
61) 1,2-Dibromoethane	11.181	107	20657	18.846	ug/l	97
64) Tetrachloroethene	10.804	164	25418	19.057	ug/l	96
65) Chlorobenzene	11.604	112	87293	20.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	28240	18.309	ug/l	97
67) Ethyl Benzene	11.681	91	132387	18.446	ug/l	96
68) m/p-Xylenes	11.792	106	108312	37.165	ug/l	97
69) o-Xylene	12.122	106	49249	18.264	ug/l	95
70) Styrene	12.134	104	91551	20.228	ug/l	98
71) Bromoform	12.292	173	15627	18.747	ug/l #	100
73) Isopropylbenzene	12.422	105	126228	18.202	ug/l	97
74) N-amyl acetate	12.228	43	24794	22.021	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	25126	19.572	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	16040m	19.766	ug/l	
77) Bromobenzene	12.698	156	32767	19.053	ug/l	97
78) n-propylbenzene	12.763	91	160526	19.017	ug/l	99
79) 2-Chlorotoluene	12.845	91	85638	18.493	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	107028	18.663	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	9280	23.971	ug/l	93
82) 4-Chlorotoluene	12.945	91	90852	18.549	ug/l	99
83) tert-Butylbenzene	13.163	119	92372	18.681	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	108078	18.701	ug/l	99
85) sec-Butylbenzene	13.345	105	140580	18.787	ug/l	98
86) p-Isopropyltoluene	13.457	119	118534	18.504	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	68845	18.970	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	67346	18.829	ug/l	98
89) n-Butylbenzene	13.786	91	107160	18.523	ug/l	99
90) Hexachloroethane	14.051	117	24820	18.725	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	58826	18.820	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3560	20.730	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	32477	17.804	ug/l	99
94) Hexachlorobutadiene	15.198	225	16945	17.158	ug/l	97
95) Naphthalene	15.328	128	58206	18.352	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	28867	18.292	ug/l	98

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

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