

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078431.D
 Acq On : 15 Feb 2024 12:37
 Operator : RP/MD
 Sample : VD0215SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0215SBS01

Quant Time: Feb 16 02:34:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/16/2024
 Supervised By :Semsettin Yesilyurt 02/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	175678	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	303198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83546	43.983	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.960%		
35) Dibromofluoromethane	7.805	113	95130	49.393	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.780%		
50) Toluene-d8	10.269	98	369038	47.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.575	95	105109	46.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	31826	18.387	ug/l	97
3) Chloromethane	2.152	50	56217	17.673	ug/l	98
4) Vinyl Chloride	2.287	62	86846	17.891	ug/l	99
5) Bromomethane	2.687	94	64713	19.314	ug/l	98
6) Chloroethane	2.834	64	69931	19.757	ug/l	99
7) Trichlorofluoromethane	3.175	101	68537	20.931	ug/l	99
8) Diethyl Ether	3.593	74	18386	19.494	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.964	101	42914	20.775	ug/l	96
10) Methyl Iodide	4.158	142	39095	21.131	ug/l	92
11) Tert butyl alcohol	5.064	59	9801	91.621	ug/l	# 89
12) 1,1-Dichloroethene	3.940	96	40392	21.091	ug/l	91
13) Acrolein	3.799	56	13511	76.994	ug/l	97
14) Allyl chloride	4.564	41	46693	19.736	ug/l	90
15) Acrylonitrile	5.264	53	36587	90.619	ug/l	96
16) Acetone	4.028	43	44986	107.557	ug/l	90
17) Carbon Disulfide	4.270	76	127056	19.716	ug/l	100
18) Methyl Acetate	4.564	43	13598	13.223	ug/l	# 70
19) Methyl tert-butyl Ether	5.322	73	78908	19.393	ug/l	100
20) Methylene Chloride	4.799	84	52247	22.587	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	47124	20.916	ug/l	94
22) Diisopropyl ether	6.222	45	106595	20.442	ug/l	96
23) Vinyl Acetate	6.158	43	267718m	117.857	ug/l	
24) 1,1-Dichloroethane	6.116	63	75889	20.544	ug/l	99
25) 2-Butanone	7.075	43	52177	98.930	ug/l	# 80
26) 2,2-Dichloropropane	7.075	77	64206	20.734	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	49718	20.114	ug/l	92
28) Bromochloromethane	7.428	49	26884	18.374	ug/l	88
29) Tetrahydrofuran	7.446	42	27073	95.838	ug/l	90
30) Chloroform	7.599	83	81972	20.973	ug/l	91
31) Cyclohexane	7.875	56	63141	19.650	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	72093	21.635	ug/l	98
36) 1,1-Dichloropropene	8.011	75	63661	21.277	ug/l	97
37) Ethyl Acetate	7.169	43	18646	17.778	ug/l	# 88
38) Carbon Tetrachloride	7.993	117	63572	21.455	ug/l	92
39) Methylcyclohexane	9.275	83	72920	20.530	ug/l	95
40) Benzene	8.252	78	179646	20.773	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	9390	17.203	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	44377	19.832	ug/l	98
43) Isopropyl Acetate	8.363	43	37733	19.429	ug/l	96
44) Trichloroethene	9.028	130	48974	22.198	ug/l	88
45) 1,2-Dichloropropane	9.305	63	43396	20.452	ug/l	97
46) Dibromomethane	9.399	93	24714	20.708	ug/l	90
47) Bromodichloromethane	9.587	83	60801	20.568	ug/l	94
48) Methyl methacrylate	9.381	41	18483	17.938	ug/l	87
49) 1,4-Dioxane	9.381	88	4924	380.973	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	100104	97.114	ug/l	91
52) Toluene	10.334	92	116371	21.279	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	55321	20.510	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	68561	20.962	ug/l #	84
55) 1,1,2-Trichloroethane	10.734	97	33666	20.947	ug/l	97
56) Ethyl methacrylate	10.599	69	34872	23.460	ug/l #	93
57) 1,3-Dichloropropane	10.881	76	55398	20.262	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	82957	94.744	ug/l	99
59) 2-Hexanone	10.922	43	79721	102.912	ug/l	93
60) Dibromochloromethane	11.069	129	41175	21.292	ug/l	97
61) 1,2-Dibromoethane	11.181	107	31154	20.647	ug/l	98
64) Tetrachloroethene	10.810	164	39134	22.541	ug/l	92
65) Chlorobenzene	11.604	112	122604	22.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	42957	21.154	ug/l	99
67) Ethyl Benzene	11.681	91	215030	21.718	ug/l	99
68) m/p-Xylenes	11.793	106	171477	44.402	ug/l	93
69) o-Xylene	12.122	106	76955	21.836	ug/l	93
70) Styrene	12.134	104	134104	23.315	ug/l	98
71) Bromoform	12.299	173	23201	21.707	ug/l #	97
73) Isopropylbenzene	12.422	105	204359	22.738	ug/l	96
74) N-amyl acetate	12.234	43	36415	21.417	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	35145	19.713	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	24130m	21.235	ug/l	
77) Bromobenzene	12.698	156	47780	22.621	ug/l	95
78) n-propylbenzene	12.763	91	256841	22.932	ug/l	96
79) 2-Chlorotoluene	12.851	91	134523	22.424	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	167512	22.446	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	10613	19.390	ug/l	89
82) 4-Chlorotoluene	12.946	91	144832	22.479	ug/l	95
83) tert-Butylbenzene	13.169	119	145154	23.062	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	168327	22.224	ug/l	99
85) sec-Butylbenzene	13.346	105	223661	22.914	ug/l	96
86) p-Isopropyltoluene	13.463	119	188335	22.653	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	99270	22.020	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	97730	22.063	ug/l	97
89) n-Butylbenzene	13.787	91	176937	22.080	ug/l	99
90) Hexachloroethane	14.051	117	38070	22.279	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	84647	22.360	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4792	20.527	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	49692	22.335	ug/l	98
94) Hexachlorobutadiene	15.204	225	27162	23.390	ug/l	96
95) Naphthalene	15.334	128	87835	21.285	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	42661	22.625	ug/l	95

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

