

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078488.D
 Acq On : 20 Feb 2024 17:26
 Operator : RP/MD
 Sample : P1523-09MS
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20240768-AMENDED-COMP-39N-N-3-

Quant Time: Feb 21 05:26:53 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 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	94370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	166750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	150565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	69276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66169	64.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.700%			
35) Dibromofluoromethane	7.804	113	3692	3.486	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 6.980%#			
50) Toluene-d8	10.269	98	254234	60.001	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.000%			
62) 4-Bromofluorobenzene	12.569	95	71611	58.077	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	46961	50.506	ug/l	92
3) Chloromethane	2.152	50	95023	55.609	ug/l	98
4) Vinyl Chloride	2.281	62	138048	52.943	ug/l	98
5) Bromomethane	2.687	94	91570	50.877	ug/l	99
6) Chloroethane	2.834	64	102391	53.851	ug/l	99
7) Trichlorofluoromethane	3.169	101	83537	47.493	ug/l	96
8) Diethyl Ether	3.593	74	29846	58.911	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.963	101	52432	47.251	ug/l	93
10) Methyl Iodide	4.158	142	45433	45.714	ug/l	91
11) Tert butyl alcohol	5.063	59	16844	305.838	ug/l #	90
12) 1,1-Dichloroethene	3.946	96	57195	55.596	ug/l	91
13) Acrolein	3.793	56	1002m	10.630	ug/l	
14) Allyl chloride	4.563	41	55918	43.999	ug/l	91
15) Acrylonitrile	5.258	53	64056	295.351	ug/l	99
16) Acetone	4.022	43	74926	405.220	ug/l #	80
17) Carbon Disulfide	4.269	76	277025	80.026	ug/l	98
18) Methyl Acetate	4.575	43	292	4.312	ug/l #	78
19) Methyl tert-butyl Ether	5.322	73	135761	62.113	ug/l	96
20) Methylene Chloride	4.805	84	74475	65.382	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	63935	52.828	ug/l	97
22) Diisopropyl ether	6.216	45	149944	53.530	ug/l	95
23) Vinyl Acetate	6.222	43	78986	58.037	ug/l #	63
24) 1,1-Dichloroethane	6.110	63	107776	54.313	ug/l	98
25) 2-Butanone	7.087	43	84584	332.353	ug/l	93
26) 2,2-Dichloropropane	7.075	77	86302	51.880	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	71865	54.123	ug/l	94
28) Bromochloromethane	7.428	49	49805	63.369	ug/l	86
29) Tetrahydrofuran	7.446	42	48009	316.378	ug/l	91
30) Chloroform	7.599	83	118418	56.403	ug/l	97
31) Cyclohexane	7.881	56	68161	39.489	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	92330	51.580	ug/l	98
36) 1,1-Dichloropropene	8.004	75	78179	47.511	ug/l	97
37) Ethyl Acetate	7.169	43	2077m	3.601	ug/l	
38) Carbon Tetrachloride	7.993	117	75324	46.223	ug/l	98
39) Methylcyclohexane	9.275	83	74102	37.934	ug/l	93
40) Benzene	8.251	78	254872	53.587	ug/l	99

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41) Methacrylonitrile	7.399	41	18992	63.265	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	69082	56.134	ug/l	99
43) Isopropyl Acetate	8.363	43	22570	21.131	ug/l #	54
44) Trichloroethene	9.028	130	119387	98.392	ug/l	97
45) 1,2-Dichloropropane	9.304	63	65051	55.744	ug/l	99
46) Dibromomethane	9.398	93	36559	55.698	ug/l	92
47) Bromodichloromethane	9.587	83	87654	53.916	ug/l	99
48) Methyl methacrylate	9.381	41	3151	5.560	ug/l #	73
49) 1,4-Dioxane	9.387	88	8437	1186.927	ug/l	88
51) 4-Methyl-2-Pentanone	10.157	43	175293	309.211	ug/l	94
52) Toluene	10.334	92	158600	52.731	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	77348	52.141	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	86912	48.317	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	47453	53.684	ug/l	95
56) Ethyl methacrylate	10.598	69	12226	14.955	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	86881	57.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	148510	308.401	ug/l	97
59) 2-Hexanone	10.922	43	128209	300.935	ug/l	89
60) Dibromochloromethane	11.075	129	59842	56.268	ug/l	93
61) 1,2-Dibromoethane	11.181	107	48695	58.680	ug/l	98
64) Tetrachloroethene	10.804	164	84912	89.286	ug/l	98
65) Chlorobenzene	11.604	112	164033	54.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	62198	55.914	ug/l	97
67) Ethyl Benzene	11.681	91	277232	51.116	ug/l	97
68) m/p-Xylenes	11.792	106	220337	104.152	ug/l	92
69) o-Xylene	12.122	106	102161	52.918	ug/l	94
70) Styrene	12.134	104	158260	50.229	ug/l	96
71) Bromoform	12.298	173	34660	59.198	ug/l #	97
73) Isopropylbenzene	12.422	105	242092	52.042	ug/l	96
74) N-amyl acetate	12.240	43	2820	3.204	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.722	83	1550	1.680	ug/l #	89
76) 1,2,3-Trichloropropane	12.722	75	43683m	74.274	ug/l	
77) Bromobenzene	12.698	156	64822	59.293	ug/l	91
78) n-propylbenzene	12.763	91	289306	49.906	ug/l	97
79) 2-Chlorotoluene	12.845	91	164088	52.848	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	198070	51.278	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	13509	47.685	ug/l	94
82) 4-Chlorotoluene	12.945	91	171480	51.423	ug/l	99
83) tert-Butylbenzene	13.163	119	155735	47.806	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	200701	51.196	ug/l	97
85) sec-Butylbenzene	13.345	105	217308	43.013	ug/l	95
86) p-Isopropyltoluene	13.457	119	194844	45.280	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	114492	49.069	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	115068	50.190	ug/l	98
89) n-Butylbenzene	13.786	91	160760	38.760	ug/l	97
90) Hexachloroethane	14.051	117	37968	42.930	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	101682	51.895	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7083	58.622	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	45449	39.469	ug/l	96
94) Hexachlorobutadiene	15.204	225	15435	25.680	ug/l	97
95) Naphthalene	15.328	128	115515	54.085	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	39330	40.301	ug/l	100

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

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