

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112123\
 Data File : VY016435.D
 Acq On : 21 Nov 2023 14:11
 Operator : SY/MD
 Sample : VY1121SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1121SBS02

Quant Time: Nov 22 01:13:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/22/2023
 Supervised By :Semsettin Yesilyurt 11/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	156629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	255007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	225041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	77547	54.171	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.340%			
35) Dibromofluoromethane	7.734	113	81287	56.114	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.220%			
50) Toluene-d8	10.191	98	301497	51.324	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.489	95	103111	54.044	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	19065	12.431	ug/l	98
3) Chloromethane	2.119	50	25686	14.301	ug/l	98
4) Vinyl Chloride	2.259	62	27654	14.318	ug/l	95
5) Bromomethane	2.656	94	19222	15.144	ug/l	98
6) Chloroethane	2.802	64	19339	15.692	ug/l #	87
7) Trichlorofluoromethane	3.137	101	51553	18.346	ug/l	96
8) Diethyl Ether	3.546	74	18190	21.659	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.918	101	31134	18.396	ug/l	97
10) Methyl Iodide	4.107	142	34201	18.711	ug/l	97
11) Tert butyl alcohol	4.972	59	14202	126.691	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	28542	18.033	ug/l	83
13) Acrolein	3.741	56	12479	92.292	ug/l	99
14) Allyl chloride	4.497	41	40352	17.965	ug/l #	90
15) Acrylonitrile	5.180	53	38396	115.205	ug/l	96
16) Acetone	3.960	43	35575	150.237	ug/l #	83
17) Carbon Disulfide	4.210	76	70752	14.815	ug/l	98
18) Methyl Acetate	4.491	43	27579	21.919	ug/l #	87
19) Methyl tert-butyl Ether	5.241	73	83610	21.825	ug/l	94
20) Methylene Chloride	4.735	84	69966	41.214	ug/l #	85
21) trans-1,2-Dichloroethene	5.241	96	34391	18.871	ug/l	92
22) Diisopropyl ether	6.137	45	95700	19.770	ug/l	88
23) Vinyl Acetate	6.076	43	235624	100.459	ug/l #	91
24) 1,1-Dichloroethane	6.033	63	59082	19.785	ug/l	94
25) 2-Butanone	6.996	43	52851	127.427	ug/l	92
26) 2,2-Dichloropropane	7.002	77	53993	19.866	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	39866	20.299	ug/l	90
28) Bromochloromethane	7.350	49	22407	20.274	ug/l #	77
29) Tetrahydrofuran	7.368	42	29404	107.259	ug/l #	82
30) Chloroform	7.521	83	65772	21.160	ug/l	97
31) Cyclohexane	7.801	56	44318	15.724	ug/l #	84
32) 1,1,1-Trichloroethane	7.722	97	57588	20.211	ug/l	97
36) 1,1-Dichloropropene	7.935	75	46496	18.485	ug/l	99
37) Ethyl Acetate	7.088	43	21380	21.037	ug/l #	95
38) Carbon Tetrachloride	7.917	117	51909	19.884	ug/l	98
39) Methylcyclohexane	9.197	83	52771	16.837	ug/l	93
40) Benzene	8.173	78	138588	19.611	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	11238m	21.930	ug/l	
42) 1,2-Dichloroethane	8.252	62	39035	21.318	ug/l	93
43) Isopropyl Acetate	8.289	43	40842	20.789	ug/l #	88
44) Trichloroethene	8.953	130	41523	20.444	ug/l	97
45) 1,2-Dichloropropane	9.228	63	34324	20.224	ug/l	96
46) Dibromomethane	9.319	93	19518	21.222	ug/l	99
47) Bromodichloromethane	9.508	83	50023	21.156	ug/l	97
48) Methyl methacrylate	9.307	41	21484	19.787	ug/l #	82
49) 1,4-Dioxane	9.319	88	4340	444.482	ug/l #	54
51) 4-Methyl-2-Pentanone	10.081	43	105712	106.411	ug/l	88
52) Toluene	10.258	92	89036	19.931	ug/l	96
53) t-1,3-Dichloropropene	10.477	75	48522	21.168	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	57570	21.028	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	28099	22.166	ug/l	99
56) Ethyl methacrylate	10.520	69	25650	21.435	ug/l #	82
57) 1,3-Dichloropropane	10.801	76	46735	21.628	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	84934	104.677	ug/l	91
59) 2-Hexanone	10.843	43	80361	108.753	ug/l	84
60) Dibromochloromethane	10.996	129	36932	23.295	ug/l	99
61) 1,2-Dibromoethane	11.099	107	27047	22.395	ug/l	99
64) Tetrachloroethene	10.734	164	41841	20.707	ug/l	98
65) Chlorobenzene	11.526	112	99209	20.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	38373	21.638	ug/l	99
67) Ethyl Benzene	11.605	91	170956	19.785	ug/l	100
68) m/p-Xylenes	11.715	106	130630	39.858	ug/l	95
69) o-Xylene	12.044	106	61451	20.195	ug/l	96
70) Styrene	12.056	104	91491	20.998	ug/l	97
71) Bromoform	12.221	173	22005	23.914	ug/l #	98
73) Isopropylbenzene	12.343	105	170002	19.242	ug/l	99
74) N-amyl acetate	12.154	43	34013	19.166	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.593	83	30175	21.285	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	22314m	21.320	ug/l	
77) Bromobenzene	12.617	156	39727	19.895	ug/l	94
78) n-propylbenzene	12.684	91	194975	18.674	ug/l	98
79) 2-Chlorotoluene	12.770	91	111828	19.435	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	137710	19.333	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	10572	21.925	ug/l	86
82) 4-Chlorotoluene	12.867	91	116741	19.634	ug/l	99
83) tert-Butylbenzene	13.087	119	120891	19.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	138586	19.759	ug/l	98
85) sec-Butylbenzene	13.264	105	171132	19.092	ug/l	99
86) p-Isopropyltoluene	13.379	119	151986	19.692	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	78945	20.550	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	78443	20.894	ug/l	99
89) n-Butylbenzene	13.709	91	134116	18.816	ug/l	96
90) Hexachloroethane	13.971	117	28512	19.150	ug/l	95
91) 1,2-Dichlorobenzene	13.751	146	68746	20.884	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4820	21.369	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	40469	21.061	ug/l	97
94) Hexachlorobutadiene	15.123	225	23947	21.754	ug/l	97
95) Naphthalene	15.245	128	77293	22.491	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	34268	21.562	ug/l	99

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

