

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022024\
 Data File : VY017418.D
 Acq On : 20 Feb 2024 13:20
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Quant Time: Feb 20 15:04:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 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	7.801	168	138774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	221701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	189965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	84724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65765	55.473	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	110.940%	
35) Dibromofluoromethane	7.728	113	74193	57.170	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	114.340%	
50) Toluene-d8	10.191	98	289484	57.516	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	115.040%	
62) 4-Bromofluorobenzene	12.496	95	84523	50.340	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	100.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	21244	19.198	ug/l	98
3) Chloromethane	2.125	50	40611	17.982	ug/l	100
4) Vinyl Chloride	2.260	62	55573	18.900	ug/l	99
5) Bromomethane	2.662	94	47616	20.178	ug/l	94
6) Chloroethane	2.802	64	37171	19.845	ug/l	97
7) Trichlorofluoromethane	3.137	101	48469	19.220	ug/l	98
8) Diethyl Ether	3.540	74	13313	18.678	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	28202	19.349	ug/l	98
10) Methyl Iodide	4.107	142	27015	17.416	ug/l	99
11) Tert butyl alcohol	4.960	59	8362	90.714	ug/l #	86
12) 1,1-Dichloroethene	3.887	96	26732	19.512	ug/l	99
13) Acrolein	3.741	56	15172	122.995	ug/l	100
14) Allyl chloride	4.497	41	31105	18.732	ug/l	98
15) Acrylonitrile	5.180	53	26327	92.908	ug/l	98
16) Acetone	3.954	43	23048	89.768	ug/l	90
17) Carbon Disulfide	4.210	76	83856	19.266	ug/l	97
18) Methyl Acetate	4.491	43	10189	17.500	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	56714	18.327	ug/l	97
20) Methylene Chloride	4.735	84	33195	17.048	ug/l	99
21) trans-1,2-Dichloroethene	5.241	96	30000	18.932	ug/l	98
22) Diisopropyl ether	6.137	45	72367	18.948	ug/l	91
23) Vinyl Acetate	6.076	43	210297	92.650	ug/l	99
24) 1,1-Dichloroethane	6.039	63	49993	19.307	ug/l	98
25) 2-Butanone	7.003	43	32744	90.854	ug/l	92
26) 2,2-Dichloropropane	6.997	77	42010	18.855	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	33354	18.951	ug/l	99
28) Bromochloromethane	7.350	49	22336	22.991	ug/l	98
29) Tetrahydrofuran	7.362	42	19045	89.893	ug/l	98
30) Chloroform	7.521	83	52467	19.195	ug/l	100
31) Cyclohexane	7.801	56	44603	19.005	ug/l	95
32) 1,1,1-Trichloroethane	7.722	97	45759	18.953	ug/l	97
36) 1,1-Dichloropropene	7.935	75	41029	18.930	ug/l	99
37) Ethyl Acetate	7.088	43	14752	18.692	ug/l	97
38) Carbon Tetrachloride	7.917	117	41376	19.174	ug/l	98
39) Methylcyclohexane	9.197	83	49921	18.816	ug/l	95
40) Benzene	8.179	78	120198	18.981	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	7289	18.912	ug/l	97
42) 1,2-Dichloroethane	8.252	62	28723	18.686	ug/l	98
43) Isopropyl Acetate	8.289	43	25791	18.084	ug/l	99
44) Trichloroethene	8.953	130	32584	18.983	ug/l	98
45) 1,2-Dichloropropane	9.228	63	27457	18.757	ug/l	100
46) Dibromomethane	9.325	93	15646	18.805	ug/l	97
47) Bromodichloromethane	9.508	83	38673	18.905	ug/l	99
48) Methyl methacrylate	9.307	41	11964	17.879	ug/l	98
49) 1,4-Dioxane	9.313	88	3147	361.636	ug/l #	92
51) 4-Methyl-2-Pentanone	10.081	43	68355	88.948	ug/l	100
52) Toluene	10.258	92	74886	18.942	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	34869	18.408	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	42215	18.165	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	21295	18.602	ug/l	98
56) Ethyl methacrylate	10.520	69	21890	17.738	ug/l	93
57) 1,3-Dichloropropane	10.801	76	34823	18.385	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	68781	100.555	ug/l	100
59) 2-Hexanone	10.843	43	47352	89.458	ug/l	100
60) Dibromochloromethane	10.996	129	25147	18.479	ug/l	100
61) 1,2-Dibromoethane	11.106	107	19093	17.827	ug/l	98
64) Tetrachloroethene	10.734	164	28731	18.898	ug/l	98
65) Chlorobenzene	11.526	112	76713	18.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	27472	18.027	ug/l	99
67) Ethyl Benzene	11.605	91	135508	18.514	ug/l	100
68) m/p-Xylenes	11.715	106	105489	36.663	ug/l	99
69) o-Xylene	12.038	106	47657	18.054	ug/l	99
70) Styrene	12.057	104	77722	17.927	ug/l	100
71) Bromoform	12.221	173	14265	17.991	ug/l #	97
73) Isopropylbenzene	12.343	105	127895	19.543	ug/l	100
74) N-amyl acetate	12.154	43	20662	18.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	22501	19.237	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	15390m	18.735	ug/l	
77) Bromobenzene	12.624	156	28760	18.738	ug/l	98
78) n-propylbenzene	12.685	91	157844	19.940	ug/l	99
79) 2-Chlorotoluene	12.770	91	85715	19.665	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	103168	19.709	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	6617	18.781	ug/l	96
82) 4-Chlorotoluene	12.867	91	87054	19.355	ug/l	99
83) tert-Butylbenzene	13.087	119	90135	19.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	99815	19.248	ug/l	99
85) sec-Butylbenzene	13.264	105	135864	19.352	ug/l	100
86) p-Isopropyltoluene	13.380	119	111234	19.236	ug/l	99
87) 1,3-Dichlorobenzene	13.380	146	57217	18.459	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	56812	18.982	ug/l	99
89) n-Butylbenzene	13.709	91	101772	19.351	ug/l	98
90) Hexachloroethane	13.971	117	21736	19.183	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	48611	18.632	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2506	16.951	ug/l	98
93) 1,2,4-Trichlorobenzene	15.019	180	24566	18.008	ug/l	100
94) Hexachlorobutadiene	15.123	225	15880	19.139	ug/l	97
95) Naphthalene	15.251	128	37965	17.462	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	20666	18.019	ug/l	99

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

