

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062824\
 Data File : VY018728.D
 Acq On : 28 Jun 2024 12:31
 Operator : SY/MD
 Sample : VY0628SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0628SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/01/2024
 Supervised By :Mahesh Dadoda 07/01/2024

Quant Time: Jul 01 01:45:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	145263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	227933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	57481	39.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.600%
35) Dibromofluoromethane	7.704	113	65816	47.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.660%
50) Toluene-d8	10.173	98	241372	45.141	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.280%
62) 4-Bromofluorobenzene	12.477	95	76104	45.073	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20771	21.710	ug/l	99
3) Chloromethane	2.107	50	30536	15.497	ug/l	95
4) Vinyl Chloride	2.241	62	40431	16.568	ug/l	99
5) Bromomethane	2.631	94	30121	16.607	ug/l	99
6) Chloroethane	2.778	64	26421	16.528	ug/l	96
7) Trichlorofluoromethane	3.107	101	50337	19.156	ug/l	99
8) Diethyl Ether	3.515	74	12897	17.213	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.875	101	28086	20.456	ug/l	98
10) Methyl Iodide	4.076	142	30324	18.707	ug/l	97
11) Tert butyl alcohol	4.936	59	14151	53.793	ug/l #	96
12) 1,1-Dichloroethene	3.851	96	26627	19.298	ug/l	99
13) Acrolein	3.723	56	4186	49.495	ug/l	98
14) Allyl chloride	4.460	41	30813	16.565	ug/l	98
15) Acrylonitrile	5.149	53	27050	81.154	ug/l	98
16) Acetone	3.930	43	21971	73.840	ug/l	97
17) Carbon Disulfide	4.180	76	71849	18.627	ug/l #	92
18) Methyl Acetate	4.466	43	12812	16.976	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	61332	16.664	ug/l	100
20) Methylene Chloride	4.698	84	46506	19.982	ug/l	98
21) trans-1,2-Dichloroethene	5.204	96	29680	18.896	ug/l	94
22) Diisopropyl ether	6.100	45	68730	16.367	ug/l #	87
23) Vinyl Acetate	6.039	43	268887	81.120	ug/l	99
24) 1,1-Dichloroethane	6.003	63	46921	17.343	ug/l	96
25) 2-Butanone	6.972	43	33782	75.743	ug/l	99
26) 2,2-Dichloropropane	6.966	77	41253	18.099	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	34820	18.353	ug/l	97
28) Bromochloromethane	7.320	49	17897	16.140	ug/l	94
29) Tetrahydrofuran	7.344	42	20573	75.164	ug/l	98
30) Chloroform	7.496	83	51833	17.580	ug/l	100
31) Cyclohexane	7.771	56	39861	17.793	ug/l	87
32) 1,1,1-Trichloroethane	7.692	97	46188	18.440	ug/l	98
36) 1,1-Dichloropropene	7.905	75	37942	19.825	ug/l	99
37) Ethyl Acetate	7.064	43	15078	16.712	ug/l	97
38) Carbon Tetrachloride	7.893	117	41947	20.891	ug/l	97
39) Methylcyclohexane	9.173	83	48583	20.717	ug/l	94
40) Benzene	8.155	78	114706	19.379	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	9533m	21.009	ug/l	
42) 1,2-Dichloroethane	8.222	62	27686	17.929	ug/l	99
43) Isopropyl Acetate	8.271	43	28112	16.694	ug/l	98
44) Trichloroethene	8.935	130	32263	20.819	ug/l	100
45) 1,2-Dichloropropane	9.210	63	24810	18.331	ug/l	99
46) Dibromomethane	9.295	93	15913	18.949	ug/l	100
47) Bromodichloromethane	9.490	83	37626	18.772	ug/l #	98
48) Methyl methacrylate	9.283	41	12573	16.585	ug/l	95
49) 1,4-Dioxane	9.295	88	3770	341.341	ug/l #	93
51) 4-Methyl-2-Pentanone	10.063	43	73382	82.731	ug/l	96
52) Toluene	10.240	92	75383	19.837	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	32589	18.605	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	39630	18.749	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20902	18.713	ug/l	98
56) Ethyl methacrylate	10.508	69	25173	17.222	ug/l	96
57) 1,3-Dichloropropane	10.782	76	33754	18.192	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	62656	88.796	ug/l	96
59) 2-Hexanone	10.831	43	48998	78.862	ug/l	97
60) Dibromochloromethane	10.984	129	26890	19.380	ug/l	98
61) 1,2-Dibromoethane	11.081	107	19982	19.357	ug/l	97
64) Tetrachloroethene	10.715	164	31229	21.947	ug/l	90
65) Chlorobenzene	11.514	112	82682	20.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	27947	20.235	ug/l	95
67) Ethyl Benzene	11.587	91	139579	19.519	ug/l	97
68) m/p-Xylenes	11.697	106	112053	40.269	ug/l	97
69) o-Xylene	12.026	106	51220	19.142	ug/l	98
70) Styrene	12.044	104	87794	19.860	ug/l	99
71) Bromoform	12.203	173	15522	20.482	ug/l #	97
73) Isopropylbenzene	12.325	105	137793	19.342	ug/l	99
74) N-amyl acetate	12.142	43	23499	16.108	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	21520	17.013	ug/l	93
76) 1,2,3-Trichloropropane	12.630	75	14357m	15.688	ug/l	
77) Bromobenzene	12.605	156	34062	20.675	ug/l	89
78) n-propylbenzene	12.672	91	161110	19.324	ug/l	98
79) 2-Chlorotoluene	12.752	91	88870	18.883	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	109122	19.327	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	5988	17.139	ug/l	90
82) 4-Chlorotoluene	12.849	91	89662	18.919	ug/l	95
83) tert-Butylbenzene	13.075	119	103552	19.816	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	108233	19.179	ug/l	96
85) sec-Butylbenzene	13.251	105	147489	19.790	ug/l	98
86) p-Isopropyltoluene	13.367	119	122167	19.335	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	64578	19.433	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	64659	19.829	ug/l	98
89) n-Butylbenzene	13.697	91	107848	18.937	ug/l	97
90) Hexachloroethane	13.959	117	22585	19.677	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	56607	19.941	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2845	15.532	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	31589	19.974	ug/l	100
94) Hexachlorobutadiene	15.111	225	18128	22.309	ug/l	97
95) Naphthalene	15.233	128	52077	17.621	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	26726	20.001	ug/l	99

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

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