

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017762.D
 Acq On : 26 Mar 2024 11:31
 Operator : SY/MD
 Sample : VY0326SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0326SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/27/2024
 Supervised By :Semsettin Yesilyurt 03/27/2024

Quant Time: Mar 27 01:27:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	169023	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	267227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	233968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	112583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	81581	55.403	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	110.800%	
35) Dibromofluoromethane	7.734	113	85118	53.286	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	106.580%	
50) Toluene-d8	10.191	98	325117	53.180	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	106.360%	
62) 4-Bromofluorobenzene	12.489	95	100039	54.494	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	108.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	28445	19.493	ug/l	96
3) Chloromethane	2.125	50	38030	20.118	ug/l	97
4) Vinyl Chloride	2.260	62	45340	19.837	ug/l	98
5) Bromomethane	2.656	94	37739	21.147	ug/l	96
6) Chloroethane	2.802	64	30938	20.254	ug/l	96
7) Trichlorofluoromethane	3.137	101	49070	20.369	ug/l	97
8) Diethyl Ether	3.540	74	17166	21.613	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.918	101	33582	19.582	ug/l	99
10) Methyl Iodide	4.113	142	36068	17.205	ug/l	98
11) Tert butyl alcohol	4.960	59	12843	131.129	ug/l #	87
12) 1,1-Dichloroethene	3.887	96	30978	19.204	ug/l	99
13) Acrolein	3.747	56	14497	122.793	ug/l	98
14) Allyl chloride	4.497	41	41485	18.976	ug/l	96
15) Acrylonitrile	5.180	53	35339	107.408	ug/l	97
16) Acetone	3.960	43	28764	111.682	ug/l	99
17) Carbon Disulfide	4.210	76	90316	16.733	ug/l	97
18) Methyl Acetate	4.497	43	14341	22.116	ug/l	94
19) Methyl tert-butyl Ether	5.241	73	72829	20.940	ug/l	98
20) Methylene Chloride	4.735	84	37960	20.266	ug/l	95
21) trans-1,2-Dichloroethene	5.235	96	34877	18.966	ug/l	97
22) Diisopropyl ether	6.137	45	95198	20.000	ug/l	93
23) Vinyl Acetate	6.082	43	285530	102.132	ug/l	99
24) 1,1-Dichloroethane	6.033	63	60905	19.467	ug/l	96
25) 2-Butanone	7.003	43	43019	103.163	ug/l	93
26) 2,2-Dichloropropane	6.996	77	50303	18.915	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	39365	18.924	ug/l	96
28) Bromochloromethane	7.350	49	27454	22.635	ug/l	94
29) Tetrahydrofuran	7.368	42	28185	105.017	ug/l	91
30) Chloroform	7.521	83	62709	19.335	ug/l	99
31) Cyclohexane	7.795	56	51379	17.642	ug/l	95
32) 1,1,1-Trichloroethane	7.716	97	55399	19.613	ug/l	98
36) 1,1-Dichloropropene	7.929	75	46051	18.661	ug/l	97
37) Ethyl Acetate	7.094	43	20592	21.715	ug/l	98
38) Carbon Tetrachloride	7.917	117	49218	19.048	ug/l	94
39) Methylcyclohexane	9.197	83	55800	17.614	ug/l	96
40) Benzene	8.173	78	141003	19.088	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	10420	22.245	ug/l #	85
42) 1,2-Dichloroethane	8.246	62	36479	20.617	ug/l	97
43) Isopropyl Acetate	8.283	43	37213	20.267	ug/l	96
44) Trichloroethene	8.953	130	37753	19.539	ug/l	99
45) 1,2-Dichloropropane	9.228	63	32587	19.361	ug/l	97
46) Dibromomethane	9.313	93	19078	20.341	ug/l	97
47) Bromodichloromethane	9.508	83	48276	20.130	ug/l	100
48) Methyl methacrylate	9.307	41	16648	19.863	ug/l	94
49) 1,4-Dioxane	9.313	88	4021	440.612	ug/l #	97
51) 4-Methyl-2-Pentanone	10.081	43	100025	102.609	ug/l	96
52) Toluene	10.258	92	87863	19.249	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	41849	19.953	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	50044	19.533	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	25201	21.004	ug/l	92
56) Ethyl methacrylate	10.520	69	31504	19.487	ug/l	95
57) 1,3-Dichloropropane	10.801	76	43868	21.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	84280	105.584	ug/l	99
59) 2-Hexanone	10.843	43	67651	101.253	ug/l	95
60) Dibromochloromethane	10.996	129	32654	20.347	ug/l	99
61) 1,2-Dibromoethane	11.099	107	22991	20.411	ug/l	98
64) Tetrachloroethene	10.734	164	42915	19.834	ug/l	97
65) Chlorobenzene	11.526	112	97025	19.265	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.599	131	32810	19.508	ug/l	99
67) Ethyl Benzene	11.605	91	163239	18.872	ug/l	99
68) m/p-Xylenes	11.709	106	126932	37.829	ug/l	99
69) o-Xylene	12.038	106	58429	19.073	ug/l	100
70) Styrene	12.057	104	99172	19.451	ug/l	99
71) Bromoform	12.215	173	18636	21.040	ug/l #	98
73) Isopropylbenzene	12.337	105	153040	18.002	ug/l	99
74) N-amyl acetate	12.154	43	30242	18.820	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	26079	19.924	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	18996m	18.272	ug/l	
77) Bromobenzene	12.617	156	36556	18.887	ug/l	100
78) n-propylbenzene	12.678	91	189520	18.416	ug/l	100
79) 2-Chlorotoluene	12.764	91	103734	18.382	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	123658	18.582	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	9176	20.395	ug/l	96
82) 4-Chlorotoluene	12.861	91	109374	18.889	ug/l	98
83) tert-Butylbenzene	13.087	119	111362	18.492	ug/l	100
84) 1,2,4-Trimethylbenzene	13.130	105	123201	18.884	ug/l	99
85) sec-Butylbenzene	13.264	105	166881	18.489	ug/l	98
86) p-Isopropyltoluene	13.379	119	139165	18.569	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	73627	18.772	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	72657	19.297	ug/l	99
89) n-Butylbenzene	13.703	91	125258	18.474	ug/l	99
90) Hexachloroethane	13.971	117	28412	18.591	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	63869	19.658	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3653	21.092	ug/l	94
93) 1,2,4-Trichlorobenzene	15.019	180	32124	20.410	ug/l	97
94) Hexachlorobutadiene	15.123	225	20239	20.033	ug/l	97
95) Naphthalene	15.245	128	51782	19.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	28316	21.790	ug/l	97

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

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