

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040224\
 Data File : VY017814.D
 Acq On : 02 Apr 2024 09:56
 Operator : SY/MD
 Sample : VY0402SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0402SBS01

Quant Time: Apr 03 02:01:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	225875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	364023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	307414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	136729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107454	54.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.960%	
35) Dibromofluoromethane	7.722	113	115155	54.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.480%	
50) Toluene-d8	10.185	98	423917	53.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	12.489	95	122668	51.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	28859	19.105	ug/l	96
3) Chloromethane	2.113	50	53154	18.029	ug/l	95
4) Vinyl Chloride	2.253	62	71295	18.504	ug/l	100
5) Bromomethane	2.649	94	61158	19.631	ug/l	99
6) Chloroethane	2.790	64	48929	19.463	ug/l	97
7) Trichlorofluoromethane	3.125	101	72331	19.250	ug/l	98
8) Diethyl Ether	3.527	74	21763	19.718	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	43843	19.457	ug/l	98
10) Methyl Iodide	4.094	142	45337	18.501	ug/l	99
11) Tert butyl alcohol	4.942	59	14930	85.206	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	39765	18.858	ug/l	99
13) Acrolein	3.729	56	16319	119.171	ug/l	98
14) Allyl chloride	4.478	41	51318	19.838	ug/l	98
15) Acrylonitrile	5.155	53	46006	98.746	ug/l	98
16) Acetone	3.942	43	38008	94.073	ug/l	88
17) Carbon Disulfide	4.192	76	98563	16.517	ug/l	99
18) Methyl Acetate	4.478	43	17854	19.951	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	95476	19.775	ug/l	99
20) Methylene Chloride	4.716	84	48540	17.901	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	44858	19.880	ug/l	99
22) Diisopropyl ether	6.124	45	124636	20.845	ug/l	98
23) Vinyl Acetate	6.063	43	357231	97.855	ug/l	98
24) 1,1-Dichloroethane	6.015	63	82444	20.775	ug/l	96
25) 2-Butanone	6.984	43	55135	95.793	ug/l	96
26) 2,2-Dichloropropane	6.984	77	68538	19.996	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	53866	20.199	ug/l	97
28) Bromochloromethane	7.338	49	31439	19.481	ug/l	95
29) Tetrahydrofuran	7.356	42	33223	96.199	ug/l	97
30) Chloroform	7.508	83	87142	21.164	ug/l	99
31) Cyclohexane	7.789	56	59829	17.376	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	69848	19.931	ug/l	96
36) 1,1-Dichloropropene	7.923	75	57759	18.819	ug/l	97
37) Ethyl Acetate	7.075	43	25424	19.196	ug/l	97
38) Carbon Tetrachloride	7.911	117	61790	19.393	ug/l	97
39) Methylcyclohexane	9.191	83	65387	17.056	ug/l	97
40) Benzene	8.167	78	185186	19.579	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	15398m	22.615	ug/l	
42) 1,2-Dichloroethane	8.240	62	46752	20.082	ug/l	99
43) Isopropyl Acetate	8.277	43	45825	19.065	ug/l	99
44) Trichloroethene	8.947	130	47692	19.380	ug/l	97
45) 1,2-Dichloropropane	9.221	63	43649	19.860	ug/l	99
46) Dibromomethane	9.313	93	24303	19.463	ug/l	100
47) Bromodichloromethane	9.502	83	64593	20.472	ug/l	99
48) Methyl methacrylate	9.301	41	19057	20.625	ug/l	94
49) 1,4-Dioxane	9.307	88	5297	377.877	ug/l #	94
51) 4-Methyl-2-Pentanone	10.075	43	121258	110.069	ug/l	97
52) Toluene	10.252	92	110227	19.213	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	53456	19.081	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	66607	19.481	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	33028	19.851	ug/l	93
56) Ethyl methacrylate	10.514	69	38776	21.133	ug/l	96
57) 1,3-Dichloropropane	10.794	76	54719	19.445	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	95555	100.023	ug/l	98
59) 2-Hexanone	10.837	43	79896	104.632	ug/l	97
60) Dibromochloromethane	10.989	129	40880	19.480	ug/l	98
61) 1,2-Dibromoethane	11.093	107	28928	19.067	ug/l	98
64) Tetrachloroethene	10.727	164	52254	19.488	ug/l	97
65) Chlorobenzene	11.526	112	126716	20.094	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	41478	19.371	ug/l	99
67) Ethyl Benzene	11.599	91	206064	19.009	ug/l	99
68) m/p-Xylenes	11.709	106	154724	37.635	ug/l	96
69) o-Xylene	12.038	106	71395	22.387	ug/l	99
70) Styrene	12.050	104	123186	22.660	ug/l	100
71) Bromoform	12.215	173	22565	19.012	ug/l #	97
73) Isopropylbenzene	12.337	105	186110	19.423	ug/l	100
74) N-amyl acetate	12.148	43	35638	21.797	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	32710	19.734	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	25177m	20.207	ug/l	
77) Bromobenzene	12.617	156	44492	19.496	ug/l	97
78) n-propylbenzene	12.678	91	227852	19.488	ug/l	99
79) 2-Chlorotoluene	12.764	91	127705	19.940	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	145913	19.512	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	10869	22.248	ug/l	94
82) 4-Chlorotoluene	12.861	91	131161	19.779	ug/l	99
83) tert-Butylbenzene	13.081	119	128500	18.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	146548	19.677	ug/l	99
85) sec-Butylbenzene	13.257	105	198414	19.444	ug/l	100
86) p-Isopropyltoluene	13.373	119	160126	18.773	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	85751	18.937	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	84900	19.588	ug/l	99
89) n-Butylbenzene	13.702	91	149098	19.000	ug/l	98
90) Hexachloroethane	13.964	117	33407	19.697	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	73386	19.551	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4109	18.345	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	37927	18.448	ug/l	97
94) Hexachlorobutadiene	15.117	225	23545	18.892	ug/l	99
95) Naphthalene	15.245	128	56846	19.658	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31440	18.104	ug/l	99

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

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