

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000294.D
 Acq On : 14 Oct 2019 13:17
 Operator : SY/MD
 Sample : VY1014SBSD01
 Misc : 5.00g/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:53:11 AM

Quant Time: Oct 15 01:43:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	311888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	522221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	472203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	170795	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	7.73	113	153340	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.19	98	623398	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.48	95	227758	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	64640	23.969	ug/l	98
3) Chloromethane	2.12	50	82907	21.754	ug/l	96
4) Vinyl Chloride	2.25	62	83745	21.773	ug/l	99
5) Bromomethane	2.63	94	60065	21.071	ug/l	99
6) Chloroethane	2.79	64	51839	20.888	ug/l	95
7) Trichlorofluoromethane	3.12	101	112258	21.337	ug/l	98
8) Diethyl Ether	3.54	74	41442	22.297	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	67851	21.265	ug/l	95
10) Methyl Iodide	4.09	142	84987	19.442	ug/l	99
11) Tert butyl alcohol	4.98	59	36674	106.519	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	67879	21.549	ug/l	92
13) Acrolein	3.74	56	40698	100.825	ug/l	98
14) Allyl chloride	4.48	41	113812	21.803	ug/l	97
15) Acrylonitrile	5.18	53	110948	106.647	ug/l	98
16) Acetone	3.96	43	100778	94.590	ug/l	100
17) Carbon Disulfide	4.19	76	210574	21.232	ug/l	99
18) Methyl Acetate	4.49	43	58174	21.976	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	195603	22.307	ug/l	99
20) Methylene Chloride	4.72	84	80800	19.155	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	74419	20.592	ug/l	91
22) Diisopropyl ether	6.13	45	239791	21.719	ug/l	96
23) Vinyl Acetate	6.07	43	771719	107.142	ug/l	96
24) 1,1-Dichloroethane	6.03	63	130098	21.588	ug/l	99
25) 2-Butanone	7.00	43	156197	104.073	ug/l	99
26) 2,2-Dichloropropane	7.00	77	114003	20.530	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	85534	21.872	ug/l	98
28) Bromochloromethane	7.35	49	49649	19.191	ug/l	99
29) Tetrahydrofuran	7.36	42	96058	105.609	ug/l	100
30) Chloroform	7.52	83	131592	21.683	ug/l	96
31) Cyclohexane	7.79	56	128175	20.364	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	114402	21.203	ug/l	98
36) 1,1-Dichloropropene	7.93	75	102714	20.089	ug/l	99
37) Ethyl Acetate	7.08	43	63285	20.904	ug/l	99
38) Carbon Tetrachloride	7.91	117	99259	20.050	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	133871	20.005	ug/l	94
40) Benzene	8.17	78	305235	20.658	ug/l	100
41) Methacrylonitrile	7.32	41	31135m	21.606	ug/l	
42) 1,2-Dichloroethane	8.25	62	89615	21.233	ug/l	99
43) Isopropyl Acetate	8.28	43	119581	20.774	ug/l	98
44) Trichloroethene	8.95	130	82879	19.991	ug/l	95
45) 1,2-Dichloropropane	9.22	63	76085	20.983	ug/l	96
46) Dibromomethane	9.32	93	42903	21.166	ug/l	96
47) Bromodichloromethane	9.50	83	99058	20.736	ug/l	96
48) Methyl methacrylate	9.30	41	52377	20.762	ug/l	98
49) 1,4-Dioxane	9.31	88	12190	401.089	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	319743	107.694	ug/l	99
52) Toluene	10.25	92	191013	20.362	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	108869	21.265	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	123399	21.225	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	64184	21.778	ug/l	99
56) Ethyl methacrylate	10.52	69	92062	21.915	ug/l	98
57) 1,3-Dichloropropane	10.80	76	107215	21.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	216716	129.339	ug/l	100
59) 2-Hexanone	10.84	43	229196	109.980	ug/l	100
60) Dibromochloromethane	10.99	129	69452	21.261	ug/l	98
61) 1,2-Dibromoethane	11.09	107	59367	20.979	ug/l	99
64) Tetrachloroethene	10.72	164	91736	20.406	ug/l	93
65) Chlorobenzene	11.52	112	203025	20.373	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	72467	20.701	ug/l	98
67) Ethyl Benzene	11.60	91	375121	20.305	ug/l	100
68) m/p-Xylenes	11.70	106	281377	39.842	ug/l	96
69) o-Xylene	12.03	106	132827	19.715	ug/l	98
70) Styrene	12.05	104	228749	20.132	ug/l	99
71) Bromoform	12.21	173	41844	20.793	ug/l #	98
73) Isopropylbenzene	12.33	105	365186	20.133	ug/l	99
74) N-amyl acetate	12.14	43	102802	23.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	68736	20.183	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	47942m	16.760	ug/l	
77) Bromobenzene	12.61	156	81237	20.127	ug/l	100
78) n-propylbenzene	12.67	91	438041	20.114	ug/l	100
79) 2-Chlorotoluene	12.76	91	243451	20.242	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	306956	20.182	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	25539	19.535	ug/l	97
82) 4-Chlorotoluene	12.85	91	260373	20.480	ug/l	99
83) tert-Butylbenzene	13.08	119	260003	20.187	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	307190	20.464	ug/l	99
85) sec-Butylbenzene	13.25	105	374722	20.111	ug/l	100
86) p-Isopropyltoluene	13.37	119	331091	20.382	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	159164	20.015	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	161683	20.341	ug/l	99
89) n-Butylbenzene	13.70	91	323396	20.146	ug/l	99
90) Hexachloroethane	13.96	117	60330	20.057	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	147963	20.560	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13675	21.172	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	104968	20.949	ug/l	97
94) Hexachlorobutadiene	15.11	225	54419	20.069	ug/l	98
95) Naphthalene	15.23	128	245941	21.995	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	93358	20.673	ug/l	98

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

